

RECORD OF EVENTS

School of Historical Studies

ANCIENT STUDIES

October 24

Ancient Studies Seminar ♦ *The epigraphic culture of the cities in the Roman East* ♦ **Angelos Chaniotis**, Professor, School of Historical Studies

October 31

Ancient Studies Seminar ♦ *Seneca the Elder and the law* ♦ **Matthew Gregory Leonard Leigh**, Member, School of Historical Studies; University of Oxford

November 7

Ancient Studies Seminar ♦ *Unexpected epigraphic news from Ionia* ♦ **Marijana Ricić**, Martin L. and Sarah F. Leibowitz Member (2012–13), School of Historical Studies; University of Belgrade

November 21

Ancient Studies Seminar ♦ *Emotional projection and learning from the past in Plato's Menexenus* ♦ **Kathryn Morgan**, Member, School of Historical Studies; University of California, Los Angeles

November 28

Ancient Studies Seminar ♦ *Dancing with death in the Roman East* ♦ **Felipe Rojas**, Member, School of Historical Studies; Brown University

December 4

Ancient Studies Seminar ♦ *Libertas aequalis: Revisiting the Social War(s) (91–82 BCE)* ♦ **Frederik Juliaan Vervaeke**, Member (2018), School of Historical Studies; University of Melbourne

December 12

Ancient Studies Seminar ♦ *The Unity of Time and the Constraints of the Day in Roman Drama* ♦ **Jeffrey Ulrich**, Martin L. and Sarah F. Leibowitz Member, School of Historical Studies; Rutgers, The State University of New Jersey

February 20

Ancient Studies Seminar ♦ *Epigraphic wit* ♦ **Angelos Chaniotis**, Professor, School of Historical Studies

February 27

Ancient Studies Seminar ♦ *Modelling Order in Chaotic Times: Xenophon's Political, Socio-Economic, and Cultural Frames for Athens in the 4th Century BC* ♦ **Sven Günther**, Member, School of Historical Studies; Northeast Normal University

March 1

Long Epigraphic Friday, Day 1 ♦ *An altar of Hestia at Labraunda: I. Labraunda 36* ♦ **Riet van Bremen**, University College London ♦ *A Hellenistic epigram from Aidedpos* ♦ **Yannis Kalliontzis**, Member (2021), School of Historical Studies; Ionian University ♦ *A treaty of military alliance from Xanthos around the time of the Rhodian domination* ♦ **Denis Rousset**, Member (2007–08), School of Historical Studies; École Pratique des Hautes Études ♦ *Notes on Ambrakia's border: SEG 35:665* ♦ **Jeremy J. McInerney**, University of Pennsylvania ♦ *Further insights from Kos about sacrificial butchery (Bosnakis & Hallof, Chiron 48 [2018] 143–158, face B; SEG LXVIII 608; EBGR [2018] 23; BE [2019] 369)* ♦ **Jan-Mathieu Carbon**, Queen's University at Kingston ♦ *Εκ καλανδᾶς Οκτοβῆς Subligaculum gladiatoris? A reappraisal of some Pompeian graffiti* ♦ **Rebecca Benefiel**, Member (2022–23), School of Historical Studies; Washington and Lee University ♦ *The relationship between dreams and vows in the epigraphic sources* ♦ **Gil Renberg**, Member (2011–12) and Visitor (2013), School of Historical Studies; Howard University

March 2

Long Epigraphic Friday, Day 2 ♦ *Zenon the architect, the theater audience and a public park (hippodromos) in Aspendos* ♦ **Mustafa Adak**, Akdeniz University ♦ *New inscriptions from Miletos* ♦ **Kaja Harter-Uibopuu**, Member (2006, 2014) and Visitor (2022), School of Historical Studies; University of Hamburg ♦ *Building accounts of the temple of Apollo in Didyma* ♦ **Helmut Lotz**, Austrian Academy of Sciences ♦ *The building Inscription of the Bouleuterion of Teos* ♦ **Mantha Zarmakoupi**, Member (2023), School of Historical Studies; University of Pennsylvania ♦ *Carrot-and-stick finance in the Hellenistic polis: gathering ransom in third-century Teos (SEG 44.949)* ♦ **Peter Satterthwaite**, University of Pennsylvania ♦ *Sign of the faithful: cross graffiti on pagan architecture in the Late Antique Eastern Mediterranean* ♦ **Julia Judge Mulhall**, Harvard University ♦ *Graffiti at the Theater Baths of Aphrodisias* ♦ **James Hua**, University of Oxford ♦ *New evidence for the imperial cult from Aphrodisias* ♦ **Angelos Chaniotis**, Professor, School of Historical Studies

March 26

Ancient Studies Seminar ♦ *Greek federalism within a Roman Empire: The koinon in Roman Greece* ♦ **Eliza Gettel**, Villanova University

March 28

Ancient Studies Seminar ♦ *Divine names in the Greek and West-Semitic World: the MAP project* ♦ **Alayia Palamidis**, Université Toulouse; Harvard Center for Hellenic Studies

April 2

Ancient Studies Seminar ♦ *Consuming knowledge: Indian Ocean commodities and ancient imaginaries* ♦ **Jeremy Simmons**, Member, School of Historical Studies; University of Maryland

ART HISTORY

October 18

Art History Works-in-Progress Seminar ♦ **Joanna Olchawa**, Agnes Gund and Daniel Shapiro Member, School of Historical Studies; Goethe-Universität Frankfurt ♦ Convened by **Maria H. Loh**, Professor, School of Historical Studies

November 1

Art History Works-in-Progress Seminar ♦ **Nicholas Robbins**, Member, School of Historical Studies; University College London ♦ Convened by **Maria H. Loh**, Professor, School of Historical Studies

November 8

Art History Works-in-Progress Seminar ♦ **Morgan Ng**, Member, School of Historical Studies; Yale University ♦ Convened by **Maria H. Loh**, Professor, School of Historical Studies

November 29

Art History Works-in-Progress Seminar ♦ **Kaijun Chen**, Starr Foundation East Asian Studies Member, School of Historical Studies; Brown University ♦ Convened by **Maria H. Loh**, Professor, School of Historical Studies

December 6

Art History Works-in-Progress Seminar ♦ **David Young Kim**, Felix Gilbert Member, School of Historical Studies; University of Pennsylvania ♦ Convened by **Maria H. Loh**, Professor, School of Historical Studies

December 20

Art History Works-in-Progress Seminar ♦ **Tamara Golan**, Member, School of Historical Studies; The University of Chicago ♦ Convened by **Maria H. Loh**, Professor, School of Historical Studies

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February 14

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Nicholas Robbins, Member, School of Historical Studies; University College London ♦
Convened by **Maria H. Loh**, Professor, School of Historical Studies

February 21

Art History Works-in-Progress Seminar ♦
Daniel Abramson, Member, School of Historical Studies; Boston University ♦
Convened by **Maria H. Loh**, Professor, School of Historical Studies

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Art History Works-in-Progress Seminar ♦
Morgan Ng, Member, School of Historical Studies; Yale University ♦ Convened by **Maria H. Loh**, Professor, School of Historical Studies

March 27

Art History Works-in-Progress Seminar ♦ **Ivan Drpić**, George William Cottrell, Jr. Member, School of Historical Studies; University of Pennsylvania ♦ Convened by **Maria H. Loh**, Professor, School of Historical Studies

April 2

Art History Works-in-Progress Seminar ♦ **Paul Galvez**, Visitor, School of Historical Studies ♦
Convened by **Maria H. Loh**, Professor, School of Historical Studies

April 3

Art History Works-in-Progress Seminar ♦
Tamara Golan, Member, School of Historical Studies; The University of Chicago ♦ Convened by **Maria H. Loh**, Professor, School of Historical Studies

May 16

Art History Screening ♦ *The Price of Everything* (2018) ♦ **Nathaniel Kahn**, director ♦
Convened by **Maria H. Loh**, Professor, School of Historical Studies

EARLY MODERN EUROPE

January 30

Book Talk ♦ *As Gods Among Men: A History of the Rich in the West* ♦ **Guido Alfani**, Bocconi University

February 1

Early Modern Europe Seminar ♦ *Managing Agencies, Tea and Rubber Plantations, and Company Law in India and Malaya* ♦ **Ron Harris**, Willis F. Doney Member, School of Historical Studies; Tel Aviv University

February 20

Early Modern Europe Seminar ♦ *Restoring Stonehenge to the Danes* ♦ **Alastair Bellany**, Edwin C. and Elizabeth A. Whitehead Fellow, School of Historical Studies; Rutgers, The State University of New Jersey

February 27

Early Modern Europe Seminar ♦ *Law Between Empires: Late Mughal Politics and The Impeachment of Warren Hastings* ♦ **Robert Travers**, Willis F. Doney Member, School of Historical Studies; Cornell University

March 5

Early Modern Europe Seminar ♦ *Sites of a Book Talk* ♦ **Noah Millstone**, Member, School of Historical Studies; University of Birmingham

March 12

Early Modern Europe Seminar ♦ *The Stuff of Law: An Extra-Textual History of Law Across England and Empire in Two Books* ♦ **Paul Halliday**, Friends of the Institute for Advanced Study Member, School of Historical Studies; University of Virginia

March 13

Book Talk ♦ *The Gender of Capital: How Families Perpetuate Wealth Inequalities* ♦ **Céline Bessière**, Member (2016–17) and Visitor (2018), School of Social Science; Paris–Dauphine University ♦
Organized by **Francesca Trivellato**, Andrew W. Mellon Professor, School of Historical Studies

March 26

Early Modern Europe Seminar ♦ *Gendering Political Leadership: Changing Perspectives on West Central Africa Women's Roles* ♦ **Mariana Candido**, Elizabeth and J. Richardson Dilworth Fellow, School of Historical Studies; Emory University

April 9

Early Modern Europe Seminar ♦ *Law and Religion in the Personal Library of José de Gálvez* ♦ **María Bárbara Zepeda Cortés**, John Elliot Member, School of Historical Studies; Lehigh University

April 23

Early Modern Europe Seminar ♦ *The Words, Figures, and Documents of Slave Suicides* ♦ **Cécile Vidal**, Member, School of Historical Studies; École des Hautes Études en Sciences Sociales, Paris

EAST ASIAN STUDIES

October 2

East Asian Seminar ♦ *Rethinking the Circuits of Cold War Culture: International Dance Exchanges in Mao-Era China* ♦ **Emily Wilcox**, George F. Kennan Member, School of Historical Studies; The College of William & Mary

October 16

East Asian Seminar ♦ *Rock Fights and the Culture of Violence in the Early Modern Canton Delta* ♦ **Robert Antony**, Visitor, School of Historical Studies

October 30

East Asian Seminar ♦ *Expansive Exchanges: Japanese Stock Exchanges in China and Chinese Financial Imagination* ♦ **Bryna Goodman**, Member, School of Historical Studies; University of Oregon

November 6

East Asian Seminar ♦ *Against Anticipation: Readings of the Analects in Chinese Legal History* ♦ **Trenton Wilson**, Princeton University

November 13

East Asian Seminar ♦ *The Technocratic Culture of Bannermen in Qing China* ♦ **Kaijun Chen**, Starr Foundation East Asian Studies Member, School of Historical Studies; Brown University

November 20

East Asian Seminar ♦ *The Indigenous Mining community in Ancient South China* ♦ **Dongming Wu**, Institute for the Study of the Ancient World, New York University

January 29

East Asian Seminar ♦ *Mining in late imperial China: Geography and other methodological issues* ♦ **Nanny Kim**, Starr Foundation East Asian Studies Member, School of Historical Studies; Universität Heidelberg

February 2

Round Table ♦ *Democracy and Citizenship in China* ♦ **Lydia Liu**, Member (2018–19), School of Historical Studies; Columbia University ♦ **Teemu Ruskola**, Member (2008–09, 2014–15), School of Historical Studies; University of Pennsylvania ♦ **Peter Zarrow**, Member (1996–97, 2022–23), School of Historical Studies; University of Connecticut ♦ **Wang Hui**, Elizabeth and J. Richardson Dilworth Member, School of Historical Studies; Tsinghua University ♦ Moderated by **Nicola Di Cosmo**, Luce Foundation Professor in East Asian Studies, School of Historical Studies

February 5

East Asian Seminar ♦ *Visualizing the heavens in Eurasia and North Africa and their Material Cultures, 4th mill. BCE to 1700 CE: the database, its goals and its challenges* ♦ **Sonja Brentjes**,

Gerda Henkel Stiftung Member, School of Historical Studies; Max-Planck-Institut für Wissenschaftsgeschichte

February 26

East Asian Seminar ♦ *Survivors and Traces of Civilization: A Jewish Story in Twentieth-Century China* ♦ **Wang Hui**, Elizabeth and J. Richardson Dilworth Member, School of Historical Studies; Tsinghua University

March 18

East Asian Seminar ♦ *Why does the history of medicine matter to the study of the Silk Roads?* ♦ **Ronit Yoeli-Tlalim**, Willis F. Doney Member, School of Historical Studies; Goldsmiths, University of London

April 1

East Asian Seminar ♦ *Manichaeans Artifacts at Buddhist Archaeological Sites of Turfan & Dunhuang* ♦ **Zsuzsanna Gulácsi**, Roger E. Covey Member in East Asian Studies, School of Historical Studies; Northern Arizona University

April 9

S.T. Lee Lecture ♦ *Reflected in Water: A Conversation on Development, Resilience and Inequalities* ♦ **Andrea Rinaldo**, École Polytechnique Fédérale de Lausanne

April 10

S.T. Lee Public Workshop ♦ *Historical and Scientific Perspectives on Climate and Society* ♦ **Nicola Di Cosmo**, Luce Foundation Professor in East Asian Studies, School of Historical Studies ♦ **Gabriel Vecchi**, Princeton University ♦ **Jürg Luterbacher**, Justus Liebig University Giessen ♦ **Michael Frachetti**, Washington University in St. Louis ♦ **Andrea Rinaldo**, École Polytechnique Fédérale de Lausanne ♦ **Julia Adeney Thomas**, Member (2004–05), School of Historical Studies; University of Notre Dame ♦ **Elena Xoplaki**, Justus Liebig University Giessen

April 19

Roger E. Covey Distinguished Lecture on Premodern China ♦ *Can We Read a Change of World Views from Ghost Stories? “Belief” in Seventh- through Twelfth-Century China* ♦ **Robert P. Hymes**, Columbia University

May 20–25

Workshop ♦ *The Ordos Region: Climate, Environment, and History* ♦ **Maddalena Barengi**, University of Venice ♦ **David Bello**, Member (2014–15) and Visitor (2018, 2022), School of Historical Studies; Washington and Lee University ♦ **Nicola Di Cosmo**, Luce Foundation Professor in East Asian Studies, School of Historical Studies ♦ **David Graff**, Kansas State University ♦ **Michael Kempf**, Universität Basel ♦ **Jürg Luterbacher**, Justus Liebig University Giessen ♦ **Ruth Mostern**, University of Pittsburgh ♦ **Raorao Su**, Renmin

University of China ♦ **Elena Xoplaki**, Justus Liebig University Giessen ♦ **Gabriel Vecchi**, Princeton University

HISTORY OF SCIENCE

March 1

History of Science Lecture Series ♦ *The Computerized Welfare Covenant: Recoding Liberal Citizenship in the Late Twentieth Century U.S.* ♦ **Marc Aidinoff**, Research Associate, School of Social Science

March 22

History of Science Lecture Series ♦ *Secret Clocks: The U.S. Military, Einstein’s Relativity, and the Global Positioning System* ♦ **David Kaiser**, Massachusetts Institute of Technology

April 5

History of Science Lecture Series ♦ *Transforming Noise: A History of Its Science and Technology from Disturbing Sounds to Informational Errors, 1900–1955* ♦ **Chen-Pang Yeang**, Member (2012–13), School of Historical Studies; University of Toronto

April 12

History of Science Lecture Series ♦ *“Castles in the Sky”: Mathematics, Marxism, and the Mind in the Early Automation of Proof* ♦ **Stephanie Dick**, Simon Fraser University

MEDIEVAL STUDIES

October 5

Medieval Studies Seminar ♦ Introductions

October 12

Medieval Studies Seminar ♦ *State of the field* ♦ articles by **Sierra Lomuto**, Member, School of Historical Studies; Rowan University ♦ **Andrea Achi**, Metropolitan Museum of Art ♦ **Elizabeth Dospěl Williams**, Museum of Fine Arts Boston

October 26

Medieval Studies Seminar ♦ *Patois of the Parishes: Speaking the French Middle Ages in Nineteenth-Century Louisiana* ♦ **Sara Ritchey**, Friends of the Institute for Advanced Study Member, School of Historical Studies; University of Tennessee

November 3–5

Third Annual Munsee Language and History Symposium ♦ [\[Link\]](#)

November 16

Medieval Studies Seminar ♦ *Muslims in the Italian Imagination, Medieval and Modern* ♦ **Sarah Davis-Secord**, Member, School of Historical Studies; The University of New Mexico

November 21

Medieval Studies Special Visit ♦ *Settler Fantasies and Queer Disruptions: A Non-binary Reading of Gerald’s Wolves* ♦ Lunchtime Seminar with **Sarah LaVoy-Brunette**, Cornell University

December 14

Medieval Studies Seminar ♦ *Ancilla of Coptic Remembrance: The Entangled Scripts of Historical Writing in Medieval Egypt* ♦ **Tamer el-Leithy**, William D. Loughlin Member, School of Historical Studies; Johns Hopkins University

January 18

Medieval Studies Seminar ♦ *The Burdened Body: Byzantine Enkolpia and the Weight of the Sacred* ♦ **Ivan Drpić**, George William Cottrell, Jr. Member, School of Historical Studies; University of Pennsylvania

January 25

Medieval Studies Seminar ♦ *Exotic Allies: Mongols and Racial Fantasy in the Literature of Medieval England* ♦ **Sierra Lomuto**, Member, School of Historical Studies; Rowan University

February 8

Medieval Studies Seminar ♦ *Sensory Regimes: Material Culture and the Senses in European Medieval and Historical Archaeology* ♦ **Matthias Friedrich**, Member, School of Historical Studies; Universität Wien

February 15

Medieval Studies Seminar ♦ *Emir of Emirs: George of Antioch and the Shaping of Norman Sicilian Visual Culture* ♦ **Ariel Fein**, Member, School of Historical Studies

February 19

Third Annual Munsee Delaware Story Evening ♦ **NEEKAAWA KIHTAACHIMUWAK WULAAKWUNUWII** (*This Evening They Tell Stories*) ♦ **Ian McCallum**, Munsee-Delaware Nation; Ontario Institute for Studies in Education/University of Toronto ♦ **Velma Noah Nicholas**, Eelunapeewi Lahkeewiit; Western University ♦ **Kristin Jacobs**, Eelunapeewi Lahkeewiit ♦ with artist **Ella Johnston**, Munsee-Delaware Nation

February 22

Medieval Studies Seminar ♦ *Unnatural Evidence: The Rise of Expertise and Fate of Artifice in Late Medieval Switzerland* ♦ **Tamara Golan**, Member, School of Historical Studies; The University of Chicago

February 29

Medieval Studies Seminar ♦ *Eroticism and Embodiment in Arabic Middle Literature: The 1001 Nights and Beyond* ♦ **Zayde Antrim**, Patricia Crone Member, School of Historical Studies; Trinity College

March 7

Medieval Studies Seminar ♦ *Evil in Early Medieval England* ♦ **Jonathan Davis-Secord**, Elizabeth and J. Richardson Dilworth Member, School of Historical Studies; The University of New Mexico

April 4

Medieval Studies Seminar ♦ *Precious Things: Making and Marking the Medieval Body* ♦ **Cynthia Hahn**, Visitor, School of Historical Studies; The City University of New York

NEAR/MIDDLE EASTERN AND ISLAMIC STUDIES

October 25

Near Eastern Studies Lecture ♦ *Syriac Christianity and the Holy City of Jerusalem: Entangled Histories in Late Antiquity and the Middle Ages* ♦ **Catalin-Stefan Popa**, Romanian Academy

November 15

Near Eastern Studies Seminar ♦ *Curating the Past: Coptic Historiography and Memory in Late Medieval Egypt* ♦ **Tamer el-Leithy**, William D. Loughlin Member, School of Historical Studies; Johns Hopkins University

November 29

Near Eastern Studies Seminar ♦ *Ephrem the Syrian and a New Beginning in Syriac Poetry* ♦ **Alberto Rigolio**, Member, School of Historical Studies; Durham University

December 6

Near Eastern Studies Seminar ♦ *Beyond Bricks and Mortar: The Ashkenazi Synagogue in Cairo as a Living Archive* ♦ **Yoram Meital**, Patricia Crone Member, School of Historical Studies; Ben-Gurion University of the Negev

December 6

Film Screening ♦ *Galoot* ('Exile' in Hebrew, 2003)

January 17

Near Eastern Studies Lecture ♦ *Boundary crossings in the pre-modern Islamic world: The "Universal History" of al-Makīn Ibn al-'Amīd* ♦ **Martino Diez**, Member (2019), School of Historical Studies; Università Cattolica del Sacro Cuore, Milan

January 24

Near Eastern Studies Seminar ♦ *Fiscal Scribes in late Ottoman Egypt: the Rūz-nāma, 1800s–1848* ♦ **Adam Mestyan**, Patricia Crone Member, School of Historical Studies; Duke University

January 31

Near Eastern Studies Seminar ♦ *Muslim-Christian Encounters in Medieval Italy* ♦ **Sarah Davis-Secord**, Member, School of Historical Studies; The University of New Mexico

February 14–15

Near Eastern Studies Workshop ♦ *Asterisms – the relations among their verbal, numerical, and visual representations across cultures in research and public outreach* ♦ Sponsored by **Sabine Schmidtke**, Professor, School of Historical Studies ♦ Convened by **Sonja Brentjes**, Gerda Henkel Stiftung Member, School of Historical Studies; Max-Planck-Institut für Wissenschaftsgeschichte ♦ Funding for this event provided by the Otto Neugebauer Fund

February 14

Near Eastern Studies Public Event ♦ *The astral sciences and early cultures: why do we study them, and how do we share our interest with the public* ♦ **Alexander Jones**, Member (2004–06), School of Historical Studies; Institute for the Study of the Ancient World, New York University ♦ in conversation with **Sonja Brentjes**, Gerda Henkel Stiftung Member, School of Historical Studies; Max-Planck-Institut für Wissenschaftsgeschichte ♦ Sponsored by **Sabine Schmidtke**, Professor, School of Historical Studies ♦ Convened by **Sonja Brentjes** ♦ Funding for this event provided by the Otto Neugebauer Fund

February 16

Near Eastern Studies and Digital Scholarship @IAS Joint Lecture ♦ *DAMAST—an interactive research environment* ♦ **Dorothea Weltecke**, Institut für Geschichtswissenschaften, Humboldt-Universität zu Berlin ♦ **Florian Jäckel**, Institut für Geschichtswissenschaften, Humboldt-Universität zu Berlin

February 28

Near Eastern Studies Seminar ♦ *"Translation Movement"—a concept without definition, but also without substance, at least for its ascription to the early Abbasid centuries?* ♦ **Sonja Brentjes**, Gerda Henkel Stiftung Member, School of Historical Studies; Max-Planck-Institut für Wissenschaftsgeschichte

March 20

Near Eastern Studies Seminar ♦ *Law in Translation: Revisiting Encounters Between Islamicate and Anglophone Conceptions of Law in Eighteenth Century India* ♦ **Thomas Robert Travers**, Willis F. Doney Member, School of Historical Studies; Cornell University

March 22

Near Eastern Studies Workshop ♦ *Scholarly Digital Editions of Arabic-Script Texts* ♦ Convened by **Adam Mestyan**, Patricia Crone Member, School of Historical Studies; Duke University ♦ **Sabine Schmidtke**, Professor, School of Historical Studies ♦ **María Mercedes Tuya**, Digital Scholarship @IAS

March 27

Near Eastern Studies Seminar ♦ *Between Text and Image: Gender and Embodiment in Arabic Middle Literature* ♦ **Zayde Antrim**, Patricia Crone Member, School of Historical Studies; Trinity College

May 16–17

Near Eastern Studies Workshop ♦ *Misattributions and Forgeries in Middle Eastern Manuscript Traditions* ♦ Convened by **Grigory Kessel**, Institut für Mittelalterforschung, Österreichische Akademie der Wissenschaften, Vienna ♦ **George A. Kiraz**, Senior Research Associate, School of Historical Studies; Beth Mardutho: The Syriac Institute ♦ **Sabine Schmidtke**, Professor, School of Historical Studies ♦ Workshop held at the Österreichische Akademie der Wissenschaften, Vienna

School of Mathematics

July 18

Special Seminar ♦ *Arthur Packets and Ramanujan Conjecture* ♦ **Freydoon Shahidi**, Member (1975–76, 1983–84, 1990–91), School of Mathematics; Purdue University

September 19

Computer Science/Discrete Mathematics Seminar II ♦ *Optimization, Complexity and Math (or, Can We Prove $P \neq NP$ by Gradient Descent?)* ♦ **Avi Wigderson**, Herbert H. Maass Professor, School of Mathematics

September 26

Panel Discussion ♦ *Heidelberg Laureate Forum Panel Discussion* ♦ **Ingrid Daubechies**, Member (1999), School of Mathematics; Duke University ♦ **Karen Uhlenbeck**, Distinguished Visiting Professor, School of Mathematics ♦ **Maryna Viazovska**, Member, School of Mathematics

Short Talks by Postdoctoral Members ♦ *Non-Abelian Hodge Theorems in Characteristics 0 and p* ♦ **Siqing Zhan**, Member, School of Mathematics ♦ *p -adic Shimura Varieties* ♦ **Mingjia Zhang**, Veblen Fellow, School of Mathematics; Princeton University ♦ *Poincaré Duality* ♦ **Bogdan Zavyalov**, Member, School of Mathematics ♦ *From Rings to Ring Spectra* ♦ **Allen Yuan**, Member, School of Mathematics ♦ *Non-Archimedean Methods in K -stability* ♦ **Yueqiao Wu**, Member, School of Mathematics ♦ *On Hitchin-Type Fibrations* ♦ **Xiao Griffin Wang**, Member, School of Mathematics

September 27

Short Talks by Postdoctoral Members ♦ *Triangulated Surfaces in Moduli Space* ♦ **Sahana Vasudevan**, Member, School of Mathematics ♦ *Multiple Correlation Sequences and Higher Order Spectral Theory* ♦ **Or Shalom**, Member, School of Mathematics ♦ *Infinite Cycles*

in the Interchange Process in Five Dimensions and First-Passage Percolation + **Dor Elboim**, Member, School of Mathematics + **Full Exceptional Collections on Linear GIT Quotients** + **Kimoi Kemboi**, Member, School of Mathematics + **The Complexity of Log-Concave Sampling** + **Sinho Chewi**, Member, School of Mathematics

September 28

Short Talks by Postdoctoral Members + **Motivic Filtrations and Evenness** + **Arpon Raksit**, Member, School of Mathematics + **On de Rham Cohomology in Characteristic p** + **Alexander Petrov**, Member, School of Mathematics + **Non-Uniqueness Phenomena in Fluid Mechanics** + **Stan Palasek**, Member, School of Mathematics + **How Much Does a Characteristic p Variety Know About Its Liftings?** + **Shizhang Li**, Member, School of Mathematics + **K -rings of Wonderful Varieties and Matroids** + **Shiyue Li**, Member, School of Mathematics

Joint PU/IAS Number Theory Seminar + **Why Do Cusp Forms Exist?** + **A. Raghuram**, Member (2017–18), School of Mathematics; Fordham University

October 2

Computer Science/Discrete Mathematics Seminar I + **The Diffraction Limit and Extremal Functions** + **Ankur Moitra**, Member (2011–13), School of Mathematics; Massachusetts Institute of Technology

Short Talks by Postdoctoral Members + **Sparsifying Generalized Linear Model** + **Yang Liu**, Member, School of Mathematics + **Cohomology of Classifying Stacks (and Spaces)** + **Dmitry Kubrak**, Member, School of Mathematics + **The Geometry of Polynomials in Algorithms** + **Nathan Klein**, Member, School of Mathematics + **The Subspace Flatness Conjecture and Faster Integer Programming** + **Victor Reis**, Member, School of Mathematics + **Moduli Stacks of p -adic Galois Representations** + **Kalyani Kansal**, Member, School of Mathematics

October 3

Computer Science/Discrete Mathematics Seminar II + **Learning from Dynamics** + **Ankur Moitra**, Member (2011–13), School of Mathematics; Massachusetts Institute of Technology

Short Talks by Postdoctoral Members + **p -adic Local Systems and their Sen Operators** + **Tongmu He**, Member, School of Mathematics + **Uniqueness of Belief Propagation Fixed Point** + **Yuzhou Gu**, Member, School of Mathematics + **Homotopies Without Homotopy** + **Toni Mikael Annala**, Member, School of Mathematics + **p -adic Hodge Theory for Analytic Varieties** + **Sally Gilles**, Member, School of Mathematics + **Symmetries in Floer Homology** + **Semon Kirillovich Rezchikov**, Veblen Research Instructor, School of Mathematics + **Minimal Slicings and Applications** + **Sven Hirsch**, Member, School of Mathematics

October 4

Short Talks by Postdoctoral Members + **PCPs and Derandomized Agreement Tests** + **Yotam Dikstein**, Member, School of Mathematics + **Zero Sets of Solutions to Elliptic Equations** + **Stefano Decio**, Member, School of Mathematics + **Comparison Theorems in p -adic Geometry** + **Emanuel Reinecke**, Member, School of Mathematics + **Detecting Closed Orbits via Holomorphic Curves Measurements** + **Shira Tanny**, Member, School of Mathematics + **On Wave Equations and Brownian Motion** + **Bjoern Bringmann**, Member, School of Mathematics

October 5

Short Talks by Postdoctoral Members + **Drinfeld Modular Forms** + **Liam Bradwin Baker**, Member, School of Mathematics + **Non-Archimedean Harmonic Analysis** + **Bodan Arsovski**, Member, School of Mathematics + **Localizing Invariants in Adic Geometry** + **Grigory Andreychev**, Member, School of Mathematics, + **Polynomial Identity Testing** + **Robert Andrews**, Erik Ellentuck Fellow, School of Mathematics + **Singularities in Minimal Submanifolds** + **Paul Minter**, Veblen Fellow, School of Mathematics

Joint PU/IAS Number Theory Seminar + **Integral Points on The Clebsch-Klein Surfaces** + **Rafael von Känel**, Member (2011–12), School of Mathematics; Tsinghua University

October 6

What is...? + **What is Combinatorial Discrepancy?** + **Peng Zhang**, Rutgers, The State University of New Jersey

Condensed Learning Seminar + **Condensed Sets** + **Steven Jin**, Princeton University

October 9

Computer Science/Discrete Mathematics Seminar I + **Private Optimization and Statistical Physics: Low-Rank Matrix Approximation** + **Nisheeth Vishnoi**, Yale University

Members' Colloquium + **What is ... p -adic Geometry?** + **Jacob Lurie**, Frank C. and Florence S. Ogg Professor, School of Mathematics

Joint IAS/Princeton Arithmetic Geometry Seminar + **Irregular Loci in the Emerton-Gee Stack for GL_2** + **Kalyani Kansal**, Member, School of Mathematics

October 10

Computer Science/Discrete Mathematics Seminar II + **Shrinkage Under Random Restrictions** + **Robert Andrews**, Erik Ellentuck Fellow, School of Mathematics

October 11

Special Year Seminar + **Prismatic F -gauges and Fontaine-Laffaille Modules** + **Vadim Vologodsky**, Member (2008), School of Mathematics; Princeton University

Mathematical Conversations + **Gardner's Touching Cubes Problem** + **Liam Bradwin Baker**, Member, School of Mathematics

October 12

Special Year Learning Seminar + **The Hodge-Tate Sequence** + **Kalyani Kansal**, Member, School of Mathematics

Joint PU/IAS Number Theory Seminar + **Modularity of Trianguline Galois Representations** + **Rebecca Bellovin**, Minerva Research Foundation Member, School of Mathematics

October 13

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar + **Symplectic Cohomology Relative to a Smooth Divisor** + **Paul Seidel**, Member (1997–98, 2001–02, 2017–18) and Distinguished Visiting Professor (2016–17), School of Mathematics; Massachusetts Institute of Technology

What is...? + **Branched Optimal Transport** + **Annalisa Massaccesi**, von Neumann Fellow, School of Mathematics

Condensed Learning Seminar + **Condensed Sets 2** + **Longke Tang**, Princeton University

Joint IAS/PU Analysis Seminar + **On the Long-Time Behavior of Solutions to the 2d Euler Equation** + **Tarek Elgindi**, Duke University

Joint IAS/PU Analysis Seminar + **Immortal Solutions of the Kähler-Ricci Flow** + **Valentino Tosatti**, New York University

October 16

Computer Science/Discrete Mathematics Seminar I + **A Combinatorial Characterization of Minimax in 0/1 Games** + **Shay Moran**, Member (2017–2018) and Visitor (2018–20), School of Mathematics; Technion–Israel Institute of Technology

Symplectic Geometry Seminar + **Fixed Points of Small Hamiltonian Diffeomorphisms and the Flux Conjectures** + **Marcelo S. Atallah**, Université de Montréal

Members' Colloquium + **Fourier Uniqueness and Nonuniqueness Pairs** + **Mikhail Sodin**, Tel Aviv University

October 17

Computer Science/Discrete Mathematics Seminar II + **Extending Generalization Theory to Address Phenomena in Contemporary Machine Learning** + **Shay Moran**, Member (2017–2018) and Visitor (2018–20), School of Mathematics; Technion–Israel Institute of Technology

October 18

Special Year Seminar + **Test Ideals in Mixed Characteristic via the p -adic Riemann-Hilbert Correspondence** + **Linquan Ma**, Member, School of Mathematics

October 19

Special Year Learning Seminar ♦ *The p -adic Simpson Correspondence for G_m* ♦ **Burt Totaro**, Member, School of Mathematics

October 20

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar ♦ *Convex Hypersurfaces, Contact Homology, and Relative GW* ♦ **Russell Avdek**, Laboratoire de Mathématiques d'Orsay

What is...? ♦ *What is a High Dimensional Expander?* ♦ **Siqi Liu**, Visitor, School of Mathematics

Condensed Learning Seminar ♦ *Condensed Cohomology* ♦ **Vadim Vologodsky**, Member (2008), School of Mathematics; Princeton University

Analysis and Mathematical Physics ♦ *Lipschitz Graphs in Carnot Groups* ♦ **Davide Vittone**, Visitor, School of Mathematics

October 23

Computer Science/Discrete Mathematics Seminar I ♦ *A Proof of the RM Code Capacity Conjecture* ♦ **Emmanuel Abbé**, von Neumann Fellow (2017) and Visitor (2018), School of Mathematics; École Polytechnique Fédérale de Lausanne

Symplectic Geometry Seminar ♦ *Coarse Distance from Dynamically Convex to Convex* ♦ **Jean Gutt**, Université de Toulouse

Members' Colloquium ♦ *High Dimensional Variants of the Finite Field Kakeya Problem* ♦ **Zeev Dvir**, Member, School of Mathematics

Condensed Learning Seminar ♦ *Solid Modules and Six Functors for Quasi-Coherent Sheaves* ♦ **Lenny Taelman**, Member, School of Mathematics

October 24

Computer Science/Discrete Mathematics Seminar II ♦ *An Optimization Perspective on Log-Concave Sampling* ♦ **Sinho Chewi**, Member, School of Mathematics

October 25

Hermann Weyl Lectures ♦ *Fourier Uniqueness and Interpolation I, II, III* ♦ **Maryna Viazovska**, Member, School of Mathematics

Special Year Seminar ♦ *p -adic Hodge Theory and Simpson's Correspondence* ♦ **Annette Werner**, Member, School of Mathematics; Goethe-Universität Frankfurt

Mathematical Conversations ♦ *Real Applications of Non-Real Numbers* ♦ **Alexander Lubotzky**, Member (2005–06), Visiting Professor (2020, 2021), and Visitor (2020–21, 2022), School of Mathematics

October 26

Special Year Learning Seminar ♦ *Hitchin Maps in Non-Abelian p -adic Hodge Theory* ♦ **Siqing Zhang**, Member, School of Mathematics

Joint PU/IAS Number Theory Seminar ♦ *Tate Classes and Endoscopy for GSp_4* ♦ **Naomi Sweeting**, Harvard University

October 27

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar ♦ *Three 20-Minute Research Talks* ♦ **Lukas Nakamura**, Uppsala University ♦ **Habib Alizadeh**, Université de Montréal ♦ **Han Lou**, University of Georgia

What is...? ♦ *What are the Malle-Bhargava Conjectures?* ♦ **Alina Bucur**, Member (2006–07, 2009–10) and von Neumann Fellow (2018–19), School of Mathematics; University of California, San Diego

Condensed Learning Seminar ♦ *Locally Compact Abelian Groups* ♦ **Sally Gilles**, Member, School of Mathematics

Analysis and Mathematical Physics ♦ *Frobenius-Type Results on Submanifolds and Currents* ♦ **Annalisa Massaccesi**, von Neumann Fellow, School of Mathematics

October 30

Computer Science/Discrete Mathematics Seminar I ♦ *A High Dimensional Goldreich-Levin Theorem* ♦ **Silas Richelson**, University of California, Riverside

Symplectic Geometry Seminar ♦ *Rigidity and Flexibility of Periodic Hamiltonian Flows* ♦ **Gabriele Benedetti**, University of Amsterdam

Joint IAS/Princeton Arithmetic Geometry Seminar ♦ *Shimurian Generalizations of Truncated Barsotti-Tate Groups (after V. Drinfeld)* ♦ **Akhil Mathew**, Member, School of Mathematics

October 31

Computer Science/Discrete Mathematics Seminar II ♦ *High Dimensional Expanders and Sparsifications of the Johnson Graph* ♦ **Yotam Dikstein**, Member, School of Mathematics

November 1

Hermann Weyl Lectures ♦ *Fourier Uniqueness and Interpolation I, II, III* ♦ **Maryna Viazovska**, Member, School of Mathematics

Special Year Seminar ♦ *On Local Systems of Geometric Origin* ♦ **Alexander Petrov**, Member, School of Mathematics

Special Seminar on Homological Stability and Number Theory ♦ *Stable Homology and the BKPLR Heuristics Over Function Fields* ♦ **Jordan Ellenberg**, University of Wisconsin–Madison

Mathematical Conversations ♦ *Are Singularities Naked?* ♦ **Sven Hirsch**, Member, School of Mathematics

Special Year Learning Seminar ♦ *The Local Correspondence* ♦ **Tongmu He**, Member, School of Mathematics

November 2

Special Seminar on Homological Stability and Number Theory ♦ *The Stable Homology of the Braid Group with Coefficients Arising From the Hyperelliptic Representation* ♦ **Craig Westerland**, Member (2004–05), School of Mathematics; University of Minnesota

Joint PU/IAS Number Theory Seminar ♦ *Moments of Families of Quadratic L-Functions Over Function Fields Via Homotopy Theory* ♦ **Dan Petersen**, Stockholm University

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar ♦ *The Subleading Asymptotics of Symplectic Weyl Laws* ♦ **Oliver Edtmair**, University of California, Berkeley

November 3

What is...? ♦ *What is a Bruhat-Tits Building?* ♦ **Annette Werner**, Member, School of Mathematics; Goethe-Universität Frankfurt

Condensed Learning Seminar ♦ *Analytic Rings* ♦ **Siqing Zhang**, Member, School of Mathematics

Analysis and Mathematical Physics ♦ *Optimization Problem Over the Space of Functions with Second Order Bounded Variation* ♦ **Camillo Brena**, Scuola Normale Superiore di Pisa

Special Seminar on Homological Stability and Number Theory ♦ *Uniform Twisted Homological Stability* ♦ **Dan Petersen**, Stockholm University

November 6

Symplectic Geometry Seminar ♦ *Locally Maximal Closed Orbits of Reeb Flows* ♦ **Marco Mazzucchelli**, École Normale Supérieure de Lyon

Members' Colloquium ♦ *On the Birational Geometry of Matroids* ♦ **Annette Werner**, Member, School of Mathematics; Goethe-Universität Frankfurt

Joint IAS/Princeton Arithmetic Geometry Seminar ♦ *What is the K -theory of the Complex Numbers?* ♦ **Dustin Clausen**, Institut des Hautes Études Scientifiques

November 8

Hermann Weyl Lectures ♦ *Fourier Uniqueness and Interpolation I, II, III* ♦ **Maryna Viazovska**, Member, School of Mathematics

Special Year Seminar ♦ *The Analytic de Rham Stack* ♦ **Juan Esteban Rodríguez Camargo**, Columbia University

Special Seminar on Sphere Packing ♦ *Sphere Packings, Spectral Gaps and the Conformal Bootstrap* ♦ **Dalimil Mazac**, Member (2020–23), School of Natural Sciences; Institut de Physique Théorique, Saclay

Mathematical Conversations ♦ *Lambda Rings, Random Matrices, and L-Functions* ♦ **Sean Howe**, Friends of the Institute for Advanced Study Member, School of Mathematics

November 9

Special Year Learning Seminar ♦ *The Global p -adic Simpson Correspondence for Generalized Representations* ♦ **Akhil Mathew**, Member, School of Mathematics

Joint PU/IAS Number Theory Seminar ♦ *The Shintani–Faddeev Modular Cocycle* ♦ **Gene Kopp**, Louisiana State University

November 10

What is...? ♦ *What is...the Sum-Product Problem?* ♦ **Sarah Peluse**, Veblen Research Instructor (2020–23), School of Mathematics; Stanford University

Condensed Learning Seminar ♦ *Solid Abelian Groups* ♦ **Juan Esteban Rodríguez Camargo**, Columbia University

Analysis and Mathematical Physics ♦ *Probabilistic Scaling, Propagation of Randomness and Invariant Gibbs Measures* ♦ **Andrea Nahmod**, Member (1997–98, 2003–04), School of Mathematics; University of Massachusetts

November 13

Special Year Workshop on p -adic Arithmetic Geometry ♦ *Stacks and Log Prismatic Cohomology* ♦ **Martin Olsson**, Member (2004–05), School of Mathematics; University of California, Berkeley ♦ *Algebraic Frobenius Structures* ♦ **Kiran Kedlaya**, Member, School of Mathematics; University of California, San Diego ♦ *The p -adic Simpson Correspondence for Torsors under Commutative Rigid Groups* ♦ **Annette Werner**, Member, School of Mathematics; Goethe-Universität Frankfurt ♦ *Crystallinity of Rigid Flat Connections Revisited* ♦ **Hélène Esnault**, Member (1994) and Visiting Professor (2019–20), School of Mathematics; Harvard University

Computer Science/Discrete Mathematics Seminar I ♦ *A Definition of Spectral Gap for Nonreversible Markov Chains* ♦ **Sourav Chatterjee**, Member, School of Mathematics

Symplectic Geometry Seminar ♦ *Symplectic Capacities of Domains Close to a Ball and Geodesics in the Space of Contact Forms* ♦ **Alberto Abbondandolo**, Ruhr-Universität Bochum

November 14

Special Year Workshop on p -adic Arithmetic Geometry ♦ *Generic Character Sheaves for Parahoric Subgroups* ♦ **Charlotte Chan**, University of Michigan ♦ *Representations of p -adic Groups and Hecke Algebras* ♦ **Jessica Fintzen**, Member (2017–18, 2020–21), School of Mathematics; University of Michigan ♦ *Laumon Sheaf and the Mod p Langlands Program for GL_2 of a Finite Degree Extension of \mathbb{Q}_p* ♦ **Laurent Fargues**, von Neumann Fellow (2008), School of Mathematics; Centre National de la Recherche Scientifique, Paris ♦ *p -adic Hyperbolicity of Shimura Varieties* ♦ **Xinwen Zhu**, Member, School of Mathematics

Computer Science/Discrete Mathematics Seminar II ♦ *The Iterative Win-Win Method, and Explicit Constructions (without) Using It* ♦ **Hanlin Ren**, University of Oxford

November 15

Special Year Workshop on p -adic Arithmetic Geometry ♦ *Essential Dimension via Prismatic Cohomology* ♦ **Mark Kisin**, Harvard University ♦ *Some Failures of Vanishing Theorems* ♦ **Burt Totaro**, Member, School of Mathematics

November 16

Special Year Workshop on p -adic Arithmetic Geometry ♦ *The Reduction Modulo p of Crystalline Breuil–Kisin Modules* ♦ **Toby Gee**, Imperial College London ♦ *Prismatic F -Gauges and Fontaine–Laffaille Modules* ♦ **Vadim Vologodsky**, Member (2008), School of Mathematics; Princeton University ♦ *Stacks in p -adic Hodge Theory of Rigid Spaces* ♦ **Arthur-César Le Bras**, Université de Strasbourg ♦ *Quasicoherent Sheaves on the Relative Fargues–Fontaine Curve* ♦ **Lucas Mann**, Universität Münster

Joint PU/IAS Number Theory Seminar ♦ *A Local Twisted Trace Formula for Some Spherical Varieties* ♦ **Chen Wan**, Member (2017–18), School of Mathematics; Rutgers, The State University of New Jersey

November 17

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar ♦ *A Knot Floer Stable Homotopy Type* ♦ **Ciprian Manolescu**, Veblen Research Instructor (2004–05), School of Mathematics; Stanford University

Special Year Workshop on p -adic Arithmetic Geometry ♦ *The Homotopy Groups of the $K(n)$ -local Sphere* ♦ **Jared Weinstein**, Member (2010–11), School of Mathematics; Boston University ♦ *Exotic Spheres from p -adic Cohomology Theories* ♦ **Jeremy Hahn**, Member, School of Mathematics

November 20

Computer Science/Discrete Mathematics Seminar I ♦ *Strong Spatial Mixing for Colorings on Trees and its Algorithmic Applications* ♦ **Nitya Mani**, Massachusetts Institute of Technology

Symplectic Geometry Seminar ♦ *On the Existence of Symplectic Barriers* ♦ **Pazit Haim Kislev**, Tel Aviv University

Members' Colloquium ♦ *Mass Generation by the Higgs Mechanism at All Couplings* ♦ **Sourav Chatterjee**, Member, School of Mathematics

Joint IAS/Princeton Arithmetic Geometry Seminar ♦ *Algebraic K -theory of Rings of Continuous Functions* ♦ **Ko Aoki**, Max-Planck-Institut für Mathematik

November 21

Computer Science/Discrete Mathematics Seminar II ♦ *Sparsifying Sums of Functions* ♦ **Yang Liu**, Member, School of Mathematics

November 25

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar ♦ *C^0 Stability of Topological Entropy for 3-Dimensional Reeb Flows* ♦ **Matthias Meiwes**, Tel Aviv University

November 27

Computer Science/Discrete Mathematics Seminar I ♦ *Recent Progress on Derandomizing Space-Bounded Computation* ♦ **William Hoza**, The University of Chicago

Symplectic Geometry Seminar ♦ *On the Rigidity of Integrable Twist Maps of the 2d-Dimensional Annulus* ♦ **Alfonso Sorrentino**, Università degli Studi di Roma Tor Vergata

Joint IAS/Princeton Arithmetic Geometry Seminar ♦ *Duality for p -adic Proétale Cohomology of Stein Spaces* ♦ **Sally Gilles**, Member, School of Mathematics

November 28

Computer Science/Discrete Mathematics Seminar II ♦ *Weighted Pseudorandom Generators via Inverse Analysis of Random Walks and Shortcutting* ♦ **William Hoza**, The University of Chicago

November 29

Special Year Seminar ♦ *On Cohomology of $B\mathbb{G}$* ♦ **Shizhang Li**, Member, School of Mathematics

Mathematical Conversations ♦ *Around Math in Two Years: A Story of One Project* ♦ **Rachel Greenfeld**, AMIAS Member, School of Mathematics

November 30

Special Year Learning Seminar ♦ *The Locally Analytic Version of the Correspondence* ♦ **Mingjia Zhang**, Veblen Fellow, School of Mathematics; Princeton University

Joint PU/IAS Number Theory Seminar ♦ *Boundary Cohomology of Well-Positioned Subschemes of Integral Models of Shimura Varieties* ♦ **Kai-Wen Lan**, Veblen Research Instructor (2008–11) and Visitor (2011–12), School of Mathematics; University of Minnesota

December 1

What is...? ♦ *What is an Incompressible Surface in a 3-Manifold?* ♦ **Anastasiia Tsvietkova**, Visitor, School of Mathematics

Condensed Learning Seminar ♦ *Solid A-Modules* ♦ **Dmitry Kubrak**, Member, School of Mathematics

Joint IAS/PU Analysis Seminar ♦ *Higher Dimensional Fractal Uncertainty* ♦ **Alex Cohen**, Massachusetts Institute of Technology

Joint IAS/PU Analysis Seminar ♦ *Renormalization Group and Homogenization* ♦ **Scott Armstrong**, Courant Institute of Mathematical Sciences, New York University

December 4

Computer Science/Discrete Mathematics Seminar I ♦ *Toward Better Depth Lower Bounds: A KRIV-like Theorem for Strong Composition* ♦ **Or Meir**, Member (2012–14), School of Mathematics; University of Haifa

Symplectic Geometry Seminar ♦ *On Some Impact-like Hamiltonian Systems* ♦ **Vered Rom-Kedar**, Weizmann Institute of Science

Members' Colloquium ♦ *Einstein, p -adic Sudoku, Domino, and Decidability* ♦ **Rachel Greenfeld**, AMIAS Member, School of Mathematics

Joint IAS/Princeton Arithmetic Geometry Seminar ♦ *Mirror Symmetry and the Breuil-Mezard Conjecture* ♦ **Tony Feng**, Friends of the Institute for Advanced Study Member (2020–21), School of Mathematics; University of California, Berkeley

December 5

Computer Science/Discrete Mathematics Seminar II ♦ *Coboundary and Cosystolic Expansion* ♦ **Siqi Liu**, Visitor, School of Mathematics

December 6

Special Year Seminar ♦ *Mod- p Poincaré Duality in p -adic Analytic Geometry* ♦ **Bogdan Zavyalov**, Member, School of Mathematics

Mathematical Conversations ♦ *Grothendieck's Nightmare and Subsequent Dreams* ♦ **Mikael de la Salle**, Member, School of Mathematics

December 7

Special Year Learning Seminar Nonabelian ♦ *p -adic Hodge Theory via the Hodge-Tate Stack* ♦ **Emanuel Reinecke**, Member, School of Mathematics

December 8

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar ♦ *Three 20-Minute Research Talks* ♦ **Julien Dardennes**, Institut de Mathématiques de Toulouse ♦ **Arnaud Maret**, Sorbonne Université ♦ **Luya Wang**, Stanford University

What is...? ♦ *What is a Persistence Module?* ♦ **Shira Tanny**, Member, School of Mathematics

Condensed Learning Seminar ♦ *Solid Quasi-Coherent Sheaves* ♦ **Hanlin Cai**, The University of Utah

Analysis and Mathematical Physics ♦ *The Influence of Edges in First-Passage Percolation on \mathbb{Z}^d* ♦ **Dor Elboim**, Member, School of Mathematics

December 11

Computer Science/Discrete Mathematics Seminar I ♦ *Online Omniprediction* ♦ **Sumegha Garg**, Rutgers, The State University of New Jersey

Symplectic Geometry Seminar ♦ *Clarke Duality and Pseudoholomorphic Planes* ♦ **Oliver Edtmair**, University of California, Berkeley

Joint IAS/Princeton Arithmetic Geometry Seminar ♦ *Spin Structures on Number Fields* ♦ **Akshay Venkatesh**, Robert & Luisa Fernholz Professor, School of Mathematics

December 13

Special Year Seminar ♦ *Moduli Stacks of p -adic Shtukas and Integral Models of Shimura Varieties* ♦ **Mingjia Zhang**, Veblen Fellow, School of Mathematics; Princeton University

Mathematical Conversations ♦ *How to do Intersection Theory?* ♦ **Toni Mikael Annala**, Member, School of Mathematics

December 14

Joint PU/IAS Number Theory Seminar ♦ *The Hodge and Tate Conjectures and Weight One Forms* ♦ **Kartik Prasanna**, von Neumann Fellow (2014–15), School of Mathematics; University of Michigan

December 15

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar ♦ *Symplectic Embeddings of Rational Homology Balls into Projective Space* ♦ **John Etnyre**, Member (2016), School of Mathematics; Georgia Institute of Technology

Condensed Learning Seminar ♦ *Solid Quasi-Coherent 6-Functors* ♦ **Tasos Moulinos**, Member, School of Mathematics

Analysis and Mathematical Physics ♦ *PDE and Discrete Models of 2D Quantum Materials* ♦ **Michael I. Weinstein**, Member, School of Mathematics

December 22

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar ♦ *Equivariant Floer Homotopy via Morse-Bott Theory* ♦ **Yusuf Baris Kartal**, Visitor (2021), School of Mathematics; University of Edinburgh

January 5

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar ♦ *Three 20-Minute Research Talks* ♦ **Francesco Morabito**, Ecole Polytechnique; **Filip Bročić**, Université de Montréal; **Valentin Bosshard**, Eidgenössische Technische Hochschule Zürich

January 19

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar ♦ *Cabling Families of Legendrian Embeddings* ♦ **Eduardo Fernández**, University of Georgia

January 22

Computer Science/Discrete Mathematics Seminar I ♦ *Marton's Conjecture, aka the Polynomial Freiman-Ruzsa Conjecture* ♦ **Frederick Manners**, von Neumann Fellow (2023), School of Mathematics; University of California, San Diego

Joint IAS/Princeton Arithmetic Geometry Seminar ♦ *Tangent Bundles in p -adic Geometry* ♦ **Sean Howe**, Friends of the Institute for Advanced Study Member, School of Mathematics

January 23

Computer Science/Discrete Mathematics Seminar II ♦ *Online Discrepancy Minimization* ♦ **Victor Reis**, Member, School of Mathematics

Short Talks by Postdoctoral Members ♦ *Formal Groups via Unipotent Homotopy Theory* ♦ **Shubhodip Mondal**, Member, School of Mathematics ♦ *Hodge Theory for p -adic Analytic Varieties* ♦ **Guido Bosco**, Member, School of Mathematics

January 24

Special Year Seminar ♦ *Motivic Cohomology of Singular Schemes: A Dégustation* ♦ **Elden Elmanto**, Erik Ellentuck Fellow, School of Mathematics

January 25

Joint PU/IAS Number Theory Seminar ♦ *Manin's Conjecture for Spherical Fano Threefolds* ♦ **Ulrich Derenthal**, Member, School of Mathematics; Leibniz Universität Hannover

January 26

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar ♦ *Three 20-Minute Research Talks* ♦ **Johanna**

Bimmermann, Ruhr-Universität Bochum ♦
Soham Chanda, Rutgers, The State
University of New Jersey; **Valerio Assenza**,
Universität Heidelberg

Analysis and Mathematical Physics ♦ *Hawking
Mass Monotonicity for Initial Data Sets* ♦ **Sven
Hirsch**, Member, School of Mathematics

January 29

Computer Science/Discrete Mathematics
Seminar I ♦ *The Tree Evaluation Problem: Context
and Recent Results* ♦ **Ian Mertz**, Visitor (2022),
School of Mathematics; University of Warwick

Symplectic Geometry Seminar ♦ *Taut Foliations
Through a Contact Lens* ♦ **Thomas Massoni**,
Princeton University

Members' Colloquium ♦ *Convergence of Unitary
Representations and Spectral Gaps of Manifolds* ♦
Michael Robert Magee, von Neumann
Fellow, School of Mathematics

Joint IAS/Princeton Arithmetic Geometry
Seminar ♦ *Intermediate Extension in Arithmetic
Statistics* ♦ **Will Sawin**, Visitor (2022–23),
School of Mathematics; Princeton University

January 30

Computer Science/Discrete Mathematics
Seminar II ♦ *Omniprediction and Multigroup
Fairness* ♦ **Parikshit Gopalan**, Apple Inc.

January 31

Special Year Seminar ♦ *Sen Operators and Lie
Algebras Arising From Galois Representations Over
 p -adic Varieties* ♦ **Tongmu He**, Member, School
of Mathematics

February 1

Special Year Learning Seminar ♦ *The Geometry
of the Classical BunG* ♦ **Kestutis Cesnavicius**,
von Neumann Fellow, School of Mathematics

Joint PU/IAS Number Theory Seminar ♦
*On the Factorization of the System of Beilinson-
Kato* ♦ **Pierre Colmez**, Member, School of
Mathematics; Institut de Mathématiques de
Jussieu–Paris Rive Gauche

February 2

Analysis and Mathematical Physics ♦ *Robin
Harmonic Measure in Rough Domains* ♦ **Stefano
Decio**, Member, School of Mathematics

Condensed Learning Seminar ♦ *Recollections
on K -theory* ♦ **Matthew Morrow**, Member,
School of Mathematics

February 5

Computer Science/Discrete Mathematics
Seminar I ♦ *Expanding the Reach of P Not Equal
to NP: The Minimum Circuit Size Problem with
a Random Oracle is NP-hard* ♦ **Rahul Ilango**,
Massachusetts Institute of Technology

Symplectic Geometry Seminar ♦ *Augmentation
Varieties and Disk Potential* ♦ **Soham Chanda**,
Rutgers, The State University of New Jersey

Members' Colloquium ♦ *Dynamical Asymmetry Is
C1-Typical* ♦ **Amie Wilkinson**, The University
of Chicago

Joint IAS/Princeton Arithmetic Geometry
Seminar ♦ *Truncated (G, μ) -Displays and
Conjectures of Drinfeld* ♦ **Keerthi Madapusi**,
Boston College

February 6

Computer Science/Discrete Mathematics
Seminar II ♦ *An Exponential Lower Bound on
Three Query, Linear Locally Correctable Codes* ♦
Pravesh Kothari, Visiting Professor, School of
Mathematics

Ruth and Irving Adler Expository Lecture
in Mathematics ♦ *Pure Mathematics as Applied
Physics* ♦ **Tadashi Tokieda**, Stanford
University

February 7

Special Year Seminar ♦ *Dieudonné Theory via
Prismatic F -gauges* ♦ **Shubhodip Mondal**,
Member, School of Mathematics

February 8

Special Year Learning Seminar ♦ *The Fargues-
Fontaine Curve* ♦ **Guido Bosco**, Member,
School of Mathematics

Joint PU/IAS Number Theory Seminar ♦ *A
Pair Correlation Surface Associated to the Zeros
of the Riemann Zeta Function* ♦ **Alexandru
Zaharescu**, Member (1999–2000), School of
Mathematics; University of Illinois at Urbana-
Champaign

February 9

Joint IAS/Princeton/Montreal/Paris/Tel Aviv
Symplectic Geometry Zoominar ♦ *Extensible
Positive Loops and Vanishing of Symplectic
Cohomology* ♦ **Dylan Cant**, Université de
Montréal

Analysis and Mathematical Physics ♦ *Existence of
Four Minimal Spheres in S^3 with a Bumpy Metric* ♦
Xin Zhou, von Neumann Fellow, School of
Mathematics

Condensed Learning Seminar ♦ *Dualizable
Categories* ♦ **Achim Krause**, Member, School
of Mathematics

February 12

Computer Science/Discrete Mathematics
Seminar I ♦ *Advances in Parallel and Private
Stochastic Optimization from Ball Acceleration* ♦
Kevin Tian, The University of Texas at Austin

Symplectic Geometry Seminar ♦ *Gromov-Witten
Invariants of Riemann-Finsler Manifolds* ♦ **Yasha
(Yakov) Savelyev**, Member, School of
Mathematics

Members' Colloquium ♦ *Conservation Laws,
Traffic and Autonomy* ♦ **Benedetto Piccoli**,
Visitor, School of Mathematics

February 13

Computer Science/Discrete Mathematics
Seminar II ♦ *Reconstruction on Trees and
Hypertrees* ♦ **Yuzhou Gu**, Member, School of
Mathematics

Special Year Seminar ♦ *Motivic Cohomology of
Mixed Characteristic Schemes* ♦ **Tess Bouis**,
Laboratoire de Mathématiques d'Orsay

February 14

Mathematical Conversations ♦ *Ergodic Theory
Beyond Birkhoff's Theorem* ♦ **Alex Eskin**,
Member, School of Mathematics

February 15

Special Year Learning Seminar ♦ *Vector Bundles
on the Fargues-Fontaine Curve I* ♦ **Tasos
Moulinos**, Member, School of Mathematics

What is...? ♦ *What are the Gromov-Witten
Invariants?* ♦ **Shira Tanny**, Member, School of
Mathematics

Joint PU/IAS Number Theory Seminar ♦ *A
 p -adic Analogue of a Theorem of Narasimhan and
Seshadri* ♦ **Fabrizio Andreatta**, Università
degli Studi di Milano

February 16

Joint IAS/Princeton/Montreal/Paris/Tel Aviv
Symplectic Geometry Zoominar ♦ *Symplectic
Capacities of Domains Close to the Ball and Banach-
Mazur Geodesics in the Space of Contact Forms* ♦
Alberto Abbondandolo, Ruhr-Universität
Bochum

Analysis and Mathematical Physics ♦ *Quantitative
Regularity Theory for the Axisymmetric Navier-
Stokes Equations* ♦ **Stan Palasek**, Member,
School of Mathematics

Condensed Learning Seminar ♦ *Efimov
 K -Theory* ♦ **Jacob Lurie**, Frank C. and
Florence S. Ogg Professor, School of
Mathematics

February 19

Joint IAS/Princeton Arithmetic Geometry
Seminar ♦ *Witt-Differential Operators* ♦
Christopher Dodd, University of Illinois at
Urbana-Champaign

February 20

Computer Science/Discrete Mathematics
Seminar II ♦ *Analyzing the Max Entropy
Algorithm for TSP* ♦ **Nathan Klein**, Member,
School of Mathematics

February 21

Special Year Seminar ♦ *Crystals and q -Calculus* ♦
Michel Gros, Member, School of Mathematics

February 22

Special Year Learning Seminar ♦ *Banach-Colmez Spaces* ♦ **Bogdan Zavyalov**, Member, School of Mathematics

What is...? ♦ *What are Anosov Representations?* ♦ **Fanny Kassel**, von Neumann Fellow, School of Mathematics

Joint PU/IAS Number Theory Seminar ♦ *On Eisenstein's Jugendtraum for Complex Cubic Fields* ♦ **Pierre Charollois**, Institut de Mathématiques de Jussieu–Paris Rive Gauche

February 23

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar ♦ *Floer-Theoretic Corrections to the Geometry of Moduli Spaces of Lagrangian Tori* ♦ **Denis Auroux**, Schmidt Fellow (2017), School of Mathematics; Harvard University

Analysis and Mathematical Physics ♦ *Chaos in Lattice Spin Glasses and Some Questions for Analysts* ♦ **Sourav Chatterjee**, Member, School of Mathematics

Condensed Learning Seminar ♦ *Animated Analytic Rings* ♦ **Guido Bosco**, Member, School of Mathematics

February 26

Special Year Learning Seminar ♦ *Vector Bundles on the Fargues-Fontaine Curve II* ♦ **Kalyani Kansal**, Member, School of Mathematics

Computer Science/Discrete Mathematics Seminar I ♦ *Stability and Learning in Strategic Games* ♦ **Éva Tardos**, Cornell University

Symplectic Geometry Seminar ♦ *Hofer-Wysocki-Zehnder's Conjecture on Two or Infinitely Many Orbits* ♦ **Daniel Cristofaro-Gardiner**, Member (2013–14) and von Neumann Fellow (2019–21), School of Mathematics; University of Maryland

Marston Morse Lectures ♦ *Minimal Surfaces and the Isoperimetric Inequality* ♦ **Simon Brendle**, Veblen Research Instructor (2002–03), School of Mathematics; Columbia University

Joint IAS/Princeton Arithmetic Geometry Seminar ♦ *Prismatization and the Image of the J -homomorphism* ♦ **Arpon Raksit**, Member, School of Mathematics

February 27

Computer Science/Discrete Mathematics Seminar II ♦ *Computing Greatest Common Divisors of Polynomials in Parallel* ♦ **Robert Andrews**, Erik Ellentuck Fellow, School of Mathematics

February 28

Marston Morse Lectures ♦ *Singularity Models in 3D Ricci Flow* ♦ **Simon Brendle**, Veblen Research Instructor (2002–03), School of Mathematics; Columbia University

Special Year Seminar ♦ *D-modules on the Fargues-Fontaine Curve* ♦ **Guido Bosco**, Member, School of Mathematics

Mathematical Conversations ♦ *Permanent versus Determinant* ♦ **Robert Andrews**, Erik Ellentuck Fellow, School of Mathematics

February 29

Special Year Learning Seminar ♦ *The Topological Space |BunG|* ♦ **Zeyu Liu**, University of California, San Diego

What is...? ♦ *What is an Integrable System?* ♦ **Karen Uhlenbeck**, Distinguished Visiting Professor, School of Mathematics

Joint PU/IAS Number Theory Seminar ♦ *Hecke Algebras for p -adic Groups and Explicit Local Langlands Correspondence* ♦ **Yujie Xu**, Columbia University

March 1

Marston Morse Lectures ♦ *Scalar Curvature Rigidity of Polytopes* ♦ **Simon Brendle**, Veblen Research Instructor (2002–03), School of Mathematics; Columbia University

Condensed Learning Seminar ♦ *Trace Class Maps and Nuclearity* ♦ **Tasos Moulinos**, Member, School of Mathematics

Analysis and Mathematical Physics ♦ *Arithmetic Study Behind Spectra of Quantum Interactions* ♦ **Masato Wakayama**, NTT Institute for Fundamental Mathematics

March 4

Computer Science/Discrete Mathematics Seminar I ♦ *Explicit SoS Lower Bounds from High Dimensional Expanders* ♦ **Max Hopkins**, University of California, San Diego

Symplectic Geometry Seminar ♦ *Constraints on Contact Type Hypersurfaces in Symplectic 4-Manifolds* ♦ **Thomas Mark**, University of Virginia

Emmy Noether Lectures ♦ *Real Local Langlands as Geometric Langlands on the Twistor-P1* ♦ **Peter Scholze**, Max-Planck-Institut für Mathematik

Joint IAS/Princeton Arithmetic Geometry Seminar ♦ *Pro-Etale Cohomology of Rigid-Analytic Spaces* ♦ **Johannes Anschütz**, Universität Bonn

March 5

Computer Science/Discrete Mathematics Seminar II ♦ *Locally Consistent Decomposition of Strings with Applications to Edit Distance Sketching* ♦ **Michal Koucký**, Charles University

Emmy Noether Lectures ♦ *Real Local Langlands as Geometric Langlands on the Twistor-P1* ♦ **Peter Scholze**, Max-Planck-Institut für Mathematik

March 6

Emmy Noether Lectures ♦ *Real Local Langlands as Geometric Langlands on the Twistor-P1* ♦ **Peter Scholze**, Max-Planck-Institut für Mathematik

Mathematical Conversations ♦ *Propagation of Randomness Under Nonlinear Wave Equations* ♦ **Bjoern Bringmann**, Member, School of Mathematics

March 7

What is...? ♦ *What is a Venetian Blind?* ♦ **Alan Chang**, Washington University in St. Louis

Joint PU/IAS Number Theory Seminar ♦ *Squarefree Numbers in Short Intervals* ♦ **Mayank R. Pandey**, Princeton University

March 8

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar ♦ *Strongly Invertible Knots, Khovanov Homotopy, and Localization* ♦ **Robert Lipshitz**, University of Oregon

Special IAS/PU Symplectic Geometry Seminar ♦ *Invariant Sets in Three-Dimensional Energy Surfaces* ♦ **Rohil Prasad**, University of California, Berkeley

Analysis and Mathematical Physics ♦ *Variations on Fefferman's Ball Multiplier Theorem* ♦ **Mikael de la Salle**, Member, School of Mathematics

March 11

Special Year Workshop on p -adic Arithmetic Geometry ♦ *Revisiting the Motivic Cohomology of Schemes* ♦ **Matthew Morrow**, Member, School of Mathematics ♦ *Singularities in Mixed Characteristic via Alterations* ♦ **Karl Schwede**, University of Utah ♦ *Non-Abelian Hodge Theory via Moduli Stacks* ♦ **Ben Heuer**, Goethe-Universität Frankfurt ♦ *Igusa Stacks and Local-Global Compatibility* ♦ **Mingjia Zhang**, Veblen Fellow, School of Mathematics; Princeton University

Computer Science/Discrete Mathematics Seminar I ♦ *Sparsification of Gaussian Processes* ♦ **Anindya De**, Member (2013–14) and Visitor (2014–2015), School of Mathematics; University of Pennsylvania

Symplectic Geometry Seminar ♦ *Relative Calabi-Yau Structures for Legendrian Contact Homology* ♦ **Joshua Sabloff**, Member (2016, 2021–22), School of Mathematics; Haverford College

March 12

Special Year Workshop on p -adic Arithmetic Geometry ♦ *On the K -theory of \mathbb{Z}/p^n* ♦ **Achim Krause**, Member, School of Mathematics ♦ *Characteristic Classes of Étale Local Systems* ♦ **Alexander Petrov**, Member, School of Mathematics ♦ *Prismatic Crystals, q -Higgs Modules, and their Cohomology* ♦ **Takeshi Tsuji**, Member (1995–96), School of Mathematics; University of

Tokyo ♦ *p*-adic Analytic Geometry and Chromatic Homotopy Theory ♦ **Tomer Schlank**, The Hebrew University of Jerusalem

Computer Science/Discrete Mathematics Seminar II ♦ *The Structure of Translational Tilings in \mathbb{Z}^d* ♦ **Rachel Greenfeld**, AMIAS Member, School of Mathematics

March 13

Special Year Workshop on *p*-adic Arithmetic Geometry ♦ *Analytic Prismaticization* ♦ **Peter Scholze**, Max-Planck-Institut für Mathematik ♦ *A Kirillov Model for Completed Cohomology* ♦ **Pierre Colmez**, Member, School of Mathematics; Institut de Mathématiques de Jussieu–Paris Rive Gauche

Mathematical Conversations ♦ *Equivariant Log-Concavity and the Hard Lefschetz Theorem* ♦ **Shiyue Li**, Member, School of Mathematics

March 14

Special Year Workshop on *p*-adic Arithmetic Geometry ♦ *Duality Theorems for *p*-adic Pro-Étale Cohomology of Stein Spaces* ♦ **Wiesława Nizioł**, Minerva Research Foundation Member, School of Mathematics; Institut de Mathématiques de Jussieu–Paris Rive Gauche ♦ *Some Vanishing Results for Rational Completed Cohomology of Shimura Varieties* ♦ **Lue Pan**, Princeton University ♦ *The Analytic Topology Suffices for the B_{dR}^+ -Grassmannian* ♦ **Kestutis Cesnavicius**, von Neumann Fellow, School of Mathematics; Laboratoire de Mathématiques d'Orsay

Joint PU/IAS Number Theory Seminar ♦ *Moments of Quadratic L-Functions Over Function Fields* ♦ **Adrian Diaconu**, University of Minnesota

March 15

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar ♦ *Quantitative Floer Theory and Coefficients* ♦ **Yusuke Kawamoto**, Eidgenössische Technische Hochschule Zürich

Special Year Workshop on *p*-adic Arithmetic Geometry ♦ *Categorification and Geometry* ♦ **Lars Hesselholt**, Member, School of Mathematics; University of Copenhagen ♦ *Multiplicative Polynomial Laws and Commutative Group Schemes* ♦ **Akhil Mathew**, Member, School of Mathematics; The University of Chicago

March 18

Computer Science/Discrete Mathematics Seminar I ♦ *Computationally Sound Proofs of Network Properties* ♦ **Rotem Oshman**, Tel Aviv University

Symplectic Geometry Seminar ♦ *The Shape Invariant for Toric Domains* ♦ **Richard Hind**, Visitor (2022), School of Mathematics; University of Notre Dame

Members' Colloquium ♦ *Sum-of-Squares Proofs, Efficient Algorithms, and Applications* ♦ **Pravesh Kothari**, Visiting Professor, School of Mathematics

Joint IAS/Princeton Arithmetic Geometry Seminar ♦ *Towards a Unified Theory of Canonical Heights on Abelian Varieties* ♦ **Padmavathi Srinivasan**, Boston University

March 19

Computer Science/Discrete Mathematics Seminar II ♦ *Geodesics and Minimal Surfaces in a Random Environment* ♦ **Ron Peled**, Member (2022–23), School of Mathematics; Tel Aviv University

March 20

Special Year Seminar ♦ *Atiyah Duality and Applications* ♦ **Toni Mikael Annala**, Member, School of Mathematics

March 21

Special Year Learning Seminar ♦ *Mixed Characteristic Affine Grassmannian* ♦ **Sally Gilles**, Member, School of Mathematics

What is...? ♦ *What is a Graph Complex?* ♦ **Shiyue Li**, Member, School of Mathematics

Joint PU/IAS Number Theory Seminar ♦ *Vanishing of Selmer Groups for Siegel Modular Forms* ♦ **Sam Mundy**, Princeton University

March 22

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar ♦ *The Giroux Correspondence in Arbitrary Dimensions* ♦ **Ko Honda**, University of California, Los Angeles

Joint IAS/PU Analysis Seminar ♦ *Classification of Kink Clusters for Scalar Fields on the Line* ♦ **Andy Lawrie**, Massachusetts Institute of Technology

Condensed Learning Seminar ♦ *Analytic Adic Spaces and Descent* ♦ **Sean Howe**, Friends of the Institute for Advanced Study Member, School of Mathematics

Joint IAS/PU Analysis Seminar ♦ *Hilbert's Sixth Problem for Nonlinear Waves* ♦ **Zaher Hani**, University of Michigan

March 25

Symplectic Geometry Seminar ♦ *New Algebraic Invariants of Legendrian Links* ♦ **Lenhard Ng**, Member (2001–02), School of Mathematics; Duke University

Members' Colloquium ♦ *Fourier Uniformity of Multiplicative Functions* ♦ **Miguel Walsh**, von Neumann Fellow, School of Mathematics

Joint IAS/Princeton Arithmetic Geometry Seminar ♦ *On Artin-Grothendieck Vanishing in Rigid-Analytic Situations* ♦ **Ofer Gabber**, Member, School of Mathematics

March 27

Special Year Seminar ♦ *On Endomorphisms of THH* ♦ **Maxime Ramzi**, University of Copenhagen

Mathematical Conversations ♦ *Matrix Rigidity* ♦ **Zeev Dvir**, Member, School of Mathematics; Princeton University

March 28

Special Year Learning Seminar ♦ *Universal Locally Acyclic Sheaves* ♦ **Longke Tang**, Princeton University

What is...? ♦ *What is a *p*-adic Modular Form?* ♦ **Rebecca Bellovin**, Minerva Research Foundation Member, School of Mathematics

Joint PU/IAS Number Theory Seminar ♦ *Kashiwara Crystals in Endoscopy* ♦ **Griffin Wang**, Member, School of Mathematics

March 29

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar ♦ *Three 20-Minute Research Talks* ♦ **Yao Xiao**, Stony Brook University, The State University of New York; **Yoav Zimhony**, Tel Aviv University; **Qi Feng**, The Institute of Geometry and Physics (IGP) at University of Science and Technology of China

April 1

Computer Science/Discrete Mathematics Seminar I ♦ *Tight Cell-Probe Lower Bounds for Dynamic Succinct Dictionaries* ♦ **Huacheng Yu**, Princeton University

Members' Colloquium ♦ *On a Theorem of Furstenberg* ♦ **Alex Eskin**, Member, School of Mathematics

Joint IAS/Princeton Arithmetic Geometry Seminar ♦ *On De Rham Flip-Flopping in Dual Towers* ♦ **Wiesława Nizioł**, Minerva Research Foundation Member, School of Mathematics; Institut de Mathématiques de Jussieu–Paris Rive Gauche

April 2

Computer Science/Discrete Mathematics Seminar II ♦ *New Derandomized Agreement Testers* ♦ **Yotam Dikstein**, Member, School of Mathematics

Condensed Learning Seminar ♦ *Six Functors* ♦ **Juan Esteban Rodríguez Camargo**, Columbia University

April 3

Special Year Seminar ♦ *The *v*-Picard Group of Stein Spaces* ♦ **Sally Gilles**, Member, School of Mathematics

Special Homogeneous Dynamics Seminar ♦ *Directional Statistics of Lattice Points and Escape of Mass for Embedded Horospheres* ♦ **Jens Marklof**, University of Bristol

Mathematical Conversations ♦ *Cubic Forms: Geometry vs. Arithmetic* ♦ **Ulrich Derenthal**, Member, School of Mathematics

April 4

Special Year Learning Seminar ♦ *The (Non-) Semistable Locus of BunG* ♦ **Juan Esteban Rodríguez Camargo**, Columbia University

What is...? ♦ *What is Bakry-Émery Curvature?* ♦ **Mira Gordin**, Princeton University

Joint PU/IAS Number Theory Seminar ♦ *The Not-So-Local-Global Conjecture* ♦ **James Rickards**, University of Colorado Boulder

April 5

Analysis and Mathematical Physics Seminar ♦ *Generic Properties of Laplace Eigenfunctions in the Presence of Symmetry* ♦ **Craig Sutton**, Member, School of Mathematics

Condensed Learning Seminar ♦ *Nuc(X) is Dualizable* ♦ **Emanuel Reinecke**, Member, School of Mathematics

Special Number Theory Seminar ♦ *Expansion, Divisibility and Parity* ♦ **Harald Helfgott**, Member (2007), School of Mathematics; Institut de Mathématiques de Jussieu–Paris Rive Gauche

April 8

Computer Science/Discrete Mathematics Seminar I ♦ *Polynomial Capacity and its Applications: To TSP and Beyond* ♦ **Jonathan Leake**, University of Waterloo

Symplectic Geometry Seminar ♦ *Gromov-Witten Invariants and Complex Cobordism* ♦ **Shaoyun Bai**, Columbia University

Members' Colloquium ♦ *An Overview of Geometric Measure Theory, Area Minimising Currents, and Recent Progress* ♦ **Paul Minter**, Veblen Fellow, School of Mathematics

Joint IAS/Princeton Arithmetic Geometry Seminar ♦ *Recent Progress on Hodge Loci* ♦ **Bruno Klingler**, von Neumann Fellow (2008–09) and Member (2014–15), School of Mathematics; Humboldt-Universität zu Berlin

April 9

Computer Science/Discrete Mathematics Seminar II ♦ *The Method of Hypergraph Containers* ♦ **Wojciech Samotij**, Tel Aviv University

April 10

Special Year Seminar ♦ *Rationalized Syntomic Cohomology* ♦ **Jacob Lurie**, Frank C. and Florence S. Ogg Professor, School of Mathematics

Mathematical Conversations ♦ *Can One Hear the Winding Number?* ♦ **Stan Palasek**, Member, School of Mathematics

April 11

Special Year Learning Seminar ♦ *Étale Sheaves on BunG I* ♦ **Alexander Petrov**, Member, School of Mathematics

What is...? ♦ *What is a Hardt-Simon Foliation?* ♦ **Anna Skorobogatova**, Visitor (2020–21), School of Mathematics; Princeton University

Joint PU/IAS Number Theory Seminar ♦ *Ax-Schanuel and Exceptional Integrability* ♦ **Jonathan Pila**, Member (1988–89, 2002–03), School of Mathematics; University of Oxford

Joint PU/IAS Number Theory Seminar ♦ *Infinite Orbits in Certain Elliptic Surfaces, Ax-Schanuel, and Ramification in The Legendre Family* ♦ **Umberto Zannier**, Visitor (1991, 2020, 2019) and Member (2000), School of Mathematics; Scuola Normale Superiore di Pisa

April 12

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar ♦ *Three 20-Minute Research Talks* ♦ **Yan Lung Leon Li**, The Chinese University of Hong Kong; **Levin Maier**, Universität Heidelberg; **Austin Christian**, Georgia Institute of Technology

Truth and Beauty: Bombieri's Mathematical Gardens ♦ *Bombieri and Calculus of Variations* ♦ **Camillo De Lellis**, IBM von Neumann Professor, School of Mathematics ♦ *On Effectivity for Integral Points on Some Curves of Genus 2* ♦ **Umberto Zannier**, Member (2000) and Visitor (1991, 2020, 2019), School of Mathematics; Scuola Normale Superiore di Pisa ♦ *G-functions, Q-points, and Unlikely Intersections* ♦ **Jonathan Pila**, Member (1988–89, 2002–03), School of Mathematics; University of Oxford ♦ *Walking Through the Large Sieve* ♦ **Henryk Iwaniec**, Member (1983–84, 1984–86), School of Mathematics; Rutgers, The State University of New Jersey ♦ *Some More Gems* ♦ **Peter Sarnak**, Gopal Prasad Professor, School of Mathematics

Condensed Learning Seminar ♦ *K-Theory Satisfies Nisnevich Descent* ♦ **Longke Tang**, Princeton University

April 15

Computer Science/Discrete Mathematics Seminar I ♦ *Graphs, CSPs and Codes* ♦ **Madhu Sudan**, Harvard University

Members' Colloquium ♦ *Recent Progress on the Problem of Compact Quotients* ♦ **Fanny Kassel**, von Neumann Fellow, School of Mathematics

April 16

Computer Science/Discrete Mathematics Seminar II ♦ *Parallel Repetition for 3-Player XOR Games* ♦ **Yang Liu**, Member, School of Mathematics

Mathematical Conversations ♦ *Twisted Torus Embeddings* ♦ **Sahana Vasudevan**, Member, School of Mathematics

April 18

Special Year Learning Seminar ♦ *Étale Sheaves on BunG II* ♦ **Sean Howe**, Friends of the Institute for Advanced Study Member, School of Mathematics

What is...? ♦ *What is Wave Turbulence?* ♦ **Michal Shavit**, Courant Institute of Mathematical Sciences, New York University

Joint PU/IAS Number Theory Seminar ♦ *Zeta and Multizeta for Function Fields* ♦ **Dinesh Thakur**, Member (1987–89, 2000–01, 2008) and Visitor (1994), School of Mathematics; University of Rochester

April 19

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar ♦ *From Gromov-Witten Theory to the Closing Lemma* ♦ **Shira Tanny**, Member, School of Mathematics

Joint IAS/PU Analysis Seminar ♦ *Generalized Cylinder Limits of Ricci Flow Singularities* ♦ **Natasa Sesum**, Rutgers, The State University of New Jersey

Condensed Learning Seminar ♦ *Étale Hyperdescent* ♦ **Sally Gilles**, Member, School of Mathematics

Joint IAS/PU Analysis Seminar ♦ *An Energy Model for Harmonic Graphs with Junctions* ♦ **Ovidiu Savin**, Columbia University

April 22

Computer Science/Discrete Mathematics Seminar I ♦ *Additive Combinatorics Without Groups* ♦ **Huy Tuan Pham**, Stanford University

Symplectic Geometry Seminar ♦ *Big Fiber Theorems, Ideal-Valued Measures, and Symplectic Topology* ♦ **Leonid Polterovich**, Tel Aviv University

Members' Colloquium ♦ *Algebraic K-Theory and p-adic Arithmetic Geometry* ♦ **Matthew Morrow**, Member, School of Mathematics

Joint IAS/Princeton Arithmetic Geometry Seminar ♦ *Pointwise Good Reduction Criteria for Local Systems* ♦ **Ziquan Yang**, University of Wisconsin–Madison

April 23

Computer Science/Discrete Mathematics Seminar II ♦ *Random Cayley Graphs from a Combinatorial Perspective* ♦ **Huy Tuan Pham**, Stanford University

April 25

Special Year Learning Seminar ♦ *The Hecke Action* ♦ **Dmitry Kubrak**, Member, School of Mathematics

What is...? ♦ *What is Stochastic Quantization?* ♦ **Bjoern Bringmann**, Member, School of Mathematics

Joint PU/IAS Number Theory Seminar ♦ *Higher Congruences for Modular Forms and Zeta Elements* ♦ **Eric Urban**, Member (2011), School of Mathematics; Columbia University

April 26

Condensed Learning Seminar ♦ *Grothendieck-Riemann-Roch, Part I* ♦ **Vadim Vologodsky**, Member (2008), School of Mathematics; Princeton University

April 29

Computer Science/Discrete Mathematics Seminar I ♦ *Lower Bounds for Set-Multilinear Branching Programs* ♦ **Shubhangi Saraf**, Member (2011–12, 2019) and Visitor (2010–11), School of Mathematics; University of Toronto

Members' Colloquium ♦ *Triangulated Surfaces in Moduli Space* ♦ **Sahana Vasudevan**, Member, School of Mathematics

Joint IAS/Princeton Arithmetic Geometry Seminar ♦ *Microlocal Sheaves and Affine Springer Fibers* ♦ **Pablo Boixeda Alvarez**, Member (2020–21), School of Mathematics; Yale University

April 30

Computer Science/Discrete Mathematics Seminar II ♦ *Incidence Bounds via Extremal Graph Theory* ♦ **Istvan Tomon**, Umeå University

May 2

What is...? ♦ *What are Rational and Du Bois Singularities?* ♦ **Wanchun Shen**, Harvard University

Joint PU/IAS Number Theory Seminar ♦ *Relative Langlands and Endoscopy* ♦ **Spencer Leslie**, Boston College

May 3

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar ♦ *Symplectic Structures from Almost Symplectic Structures* ♦ **Agustin Moreno**, Member (2021–23), School of Mathematics; Universität Heidelberg

Analysis and Mathematical Physics ♦ *Some Analytic Applications of the Polynomial Method* ♦ **Bodan Arsovski**, Member, School of Mathematics

Condensed Learning Seminar ♦ *Grothendieck-Riemann-Roch, Part II* ♦ **Dmitry Kubrak**, Member, School of Mathematics

May 6

Computer Science/Discrete Mathematics Seminar I ♦ *Rounding Large Independent Sets on Expanders* ♦ **Tim Hsieh**, Carnegie Mellon University

Symplectic Geometry Seminar ♦ *Symplectic Aspects of the Hilbert-Smith Conjecture and p -adic Actions* ♦ **Egor Shelukhin**, Member (2015–16, 2016–17), School of Mathematics; Université de Montréal

Joint IAS/Princeton Arithmetic Geometry Seminar ♦ *The Geometric Langlands Conjecture* ♦ **Sam Raskin**, Yale University

May 9

What is...? ♦ *What is a Translation Surface?* ♦ **Sahana Vasudevan**, Member, School of Mathematics

Joint PU/IAS Number Theory Seminar ♦ *Derived Hecke Action for Weight One Modular Forms Via Classicity* ♦ **Gyujin Oh**, Visitor (2020–21), School of Mathematics; Columbia University

May 10

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar ♦ *Invariant Sets and Hyperbolic Periodic Orbits* ♦ **Viktor Ginzburg**, Member (1993), School of Mathematics; University of California, Santa Cruz

Analysis and Mathematical Physics ♦ *Supersymmetric Approach to the Analysis of Random Band Matrices* ♦ **Mariya Shcherbina**, Robbert Dijkgraaf Member, School of Mathematics

May 13

Computer Science/Discrete Mathematics Seminar I ♦ *Quantum Mechanics, Semidefinite Programming, and Graph Invariants* ♦ **Matthew Hastings**, Microsoft Research

May 14

Computer Science/Discrete Mathematics Seminar II ♦ *Resolution of the Kohayakawa-Kreuter Conjecture* ♦ **Raphael Steiner**, Eidgenössische Technische Hochschule Zürich

May 16

What is...? ♦ *What is the Calderbank-Shor-Steane Codes?* ♦ **Siqi Liu**, Visitor, School of Mathematics

May 17

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar ♦ *Bordism of Flow Modules and Exact Lagrangians* ♦ **Ivan Smith**, University of Cambridge

May 20

2024 Program for Women+ and Mathematics ♦ *Deligne-Lusztig Theory: Examples and Applications* ♦ **Charlotte Chan**, University of Michigan ♦ Uhlenbeck Lecture Course:

A Glimpse into the Langlands Program ♦ **Ana Caraiani**, Veblen Research Instructor (2013–15) and Veblen Fellow (2015–16), School of Mathematics; Imperial College London ♦ *Growth of Cohomology of Picard Modular Surfaces: An Illustrated Example of Langlands Functoriality* ♦ **Mathilde Gerbelli-Gauthier**, Member (2021–22), School of Mathematics; McGill University ♦ *Emerton-Gee Stack for GL_2 and Categorical p -adic Langlands* ♦ **Kalyani Kansal**, Member, School of Mathematics

May 21

2024 Program for Women+ and Mathematics ♦ Terng Lecture Course: *Deligne-Lusztig Theory: Examples and Applications* ♦ **Charlotte Chan**, University of Michigan ♦ Uhlenbeck Lecture Course: *A Glimpse into the Langlands Program* ♦ **Ana Caraiani**, Veblen Research Instructor (2013–15) and Veblen Fellow (2015–16), School of Mathematics; Imperial College London ♦ *Colloquium: An Introduction to Representations of p -adic Groups* ♦ **Jessica Fintzen**, Member (2017–18, 2020–21), School of Mathematics; Universität Bonn

May 23

2024 Program for Women+ and Mathematics ♦ Terng Lecture Course: *Deligne-Lusztig Theory: Examples and Applications* ♦ **Charlotte Chan**, University of Michigan ♦ Uhlenbeck Lecture Course: *A Glimpse into the Langlands Program* ♦ **Ana Caraiani**, Veblen Research Instructor (2013–15) and Veblen Fellow (2015–16), School of Mathematics; Imperial College London ♦ *Publishing Math Books* ♦ **Diana Gillooly**, Princeton University Press ♦ *Integral Hecke Correspondences* ♦ **Si Ying Lee**, Harvard University ♦ *Modular Generating Series for Real Quadratic Heegner Objects* ♦ **Alice Pozzi**, University of Bristol

May 24

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar ♦ *New Algebraic Invariants of Legendrian Links* ♦ **Lenhard Ng**, Member (2001–02), School of Mathematics; Duke University

2024 Program for Women+ and Mathematics ♦ Terng Lecture Course: *Deligne-Lusztig Theory: Examples and Applications* ♦ **Charlotte Chan**, University of Michigan ♦ Uhlenbeck Lecture Course: *A Glimpse into the Langlands Program* ♦ **Ana Caraiani**, Veblen Research Instructor (2013–15) and Veblen Fellow (2015–16), School of Mathematics; Imperial College London

Analysis and Mathematical Physics ♦ *Continuous Symmetry Breaking: A Rigorous Approach* ♦ **Sara Daneri**, Gran Sasso Science Institute

May 31

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar ♦ *Toric and Semitoric Symplectic Geometry: Progress and Challenges* ♦ **Álvaro Pelayo**, Member

(2010–12, 2013) and Visitor (2012), School of Mathematics; Universidad Complutense de Madrid

Analysis and Mathematical Physics ♦ *Global Well-Posedness of Stochastic Abelian-Higgs in Two Dimensions* ♦ **Sky Cao**, Member (2022–23), School of Mathematics; Massachusetts Institute of Technology

June 3

Visions in Arithmetic and Beyond: Celebrating Peter Sarnak's Work and Impact ♦ *Impacts of Ramanujan Graphs* ♦ **Daniel Spielman**, Yale University ♦ *Optimal Spectral Gaps* ♦ **Michael Robert Magee**, von Neumann Fellow, School of Mathematics ♦ *Integer Distance Sets* ♦ **Sarah Peluse**, Veblen Research Instructor (2020–23), School of Mathematics; University of Michigan ♦ *Spectral Statistics of Random d -Regular Graphs* ♦ **Hong-Tzer Yau**, Member (1987–88, 2003, 2020), Visitor (1991), and Distinguished Visiting Professor (2013–14), School of Mathematics; Harvard University

June 4

Visions in Arithmetic and Beyond: Celebrating Peter Sarnak's Work and Impact ♦ *A Refined Random Matrix Model for Function Field L -Functions* ♦ **Will Sawin**, Visitor (2022–23), School of Mathematics; Princeton University ♦ *L -Functions, Integral Representations and Applications* ♦ **Paul Nelson**, von Neumann Fellow (2021–22), School of Mathematics; Aarhus University ♦ *New Bounds for Large Values of Dirichlet Polynomials, Part 1* ♦ **James Maynard**, Member (2017, 2022), School of Mathematics; University of Oxford ♦ *New Bounds for Large Values of Dirichlet Polynomials, Part 2* ♦ **Larry Guth**, Member (2010–11), School of Mathematics; Massachusetts Institute of Technology

June 5

Visions in Arithmetic and Beyond: Celebrating Peter Sarnak's Work and Impact ♦ *Sign Patterns of the Mobius Function* ♦ **Tamar Ziegler**, Member (2005–2006) and Distinguished Visiting Professor (2022–23), School of Mathematics; The Hebrew University of Jerusalem ♦ *Rigidity of Kleinian Groups and Zariski Density in Higher Rank* ♦ **Hee Oh**, Member (2002–03) and Visitor (2006), School of Mathematics; Yale University ♦ *Random Lattices with Symmetries* ♦ **Maryna Viazovska**, Member, School of Mathematics; École Polytechnique Fédérale de Lausanne ♦ *Higher Order Fourier Uniformity of Bounded Multiplicative Functions in Short Intervals* ♦ **Terence Tao**, Visitor (2005) and Member (2023), School of Mathematics; University of California, Los Angeles

June 6

Visions in Arithmetic and Beyond: Celebrating Peter Sarnak's Work and Impact ♦ *Distributions of Class Groups of Global Fields* ♦ **Melanie Matchett Wood**, Harvard University ♦ *The Arithmetic of Some Dirichlet L -Values* ♦ **Frank**

Calegari, von Neumann Fellow (2010–11), School of Mathematics; The University of Chicago ♦ *Billiards and the Arithmetic of Non-Arithmetic Groups* ♦ **Curtis McMullen**, Member (1986–87), School of Mathematics; Harvard University ♦ *Measure and Topological Rigidity Beyond Homogeneous Dynamics* ♦ **Simion Filip**, Visitor (2018–19), School of Mathematics; The University of Chicago ♦ *Mentoring Panel* ♦ **Alex Eskin**, Member, School of Mathematics ♦ **James Maynard**, Member (2017, 2022), School of Mathematics; University of Oxford ♦ **Curtis McMullen**, Member (1986–87), School of Mathematics; Harvard University ♦ **Lillian Pierce** (moderator), Member (2009–10) and von Neumann Fellow (2017–18), School of Mathematics; Duke University ♦ **Peter Sarnak**, Gopal Prasad Professor, School of Mathematics ♦ **Melanie Matchett Wood** ♦ **Tamar Ziegler**, Member (2005–2006) and Distinguished Visiting Professor (2022–23), School of Mathematics; The Hebrew University of Jerusalem

June 7

Visions in Arithmetic and Beyond: Celebrating Peter Sarnak's Work and Impact ♦ *Large Compact Subvarieties of Ag* ♦ **Jacob Tsimerman**, University of Toronto ♦ *Values of Quadratic Forms and Effective Equidistribution* ♦ **Elon Lindenstrauss**, Member (1999–2001, 2007, 2018) and Visitor (2009–10), School of Mathematics; The Hebrew University of Jerusalem

June 14

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar ♦ *Two or Infinity* ♦ **Daniel Cristofaro-Gardiner**, Member (2013–14) and von Neumann Fellow (2019–21), School of Mathematics; University of Maryland

Analysis and Mathematical Physics ♦ *Inertial Manifolds for the Hyperbolic Cahn-Hilliard Equation* ♦ **Ahmed Bonfah**, King Fahd University of Petroleum and Minerals

June 24

Collaborative Workshop in Algebraic Geometry ♦ *Collaborative workshop to support women and gender-expansive individuals in Algebraic Geometry was held at the Institute for Advanced Study in Princeton, NJ the week of June 24–28, 2024*

June 28

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar ♦ *Symplectic Orbifold Gromov-Witten Invariants* ♦ **Mark McLean**, Member (2012), School of Mathematics; Stony Brook University, The State University of New York

School of Natural Sciences

ASTROPHYSICS

September 5

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *The Power of Milky Way's Stellar Streams Enabled by Multi-Object Spectroscopic Surveys* ♦ **Ting Li**, University of Toronto

September 7

Institute for Advanced Study Astrophysics Seminar ♦ *Nonlinear Dynamics of Distorted Astrophysical Discs: Warps and All* ♦ **Callum Fairbairn**, Member, School of Natural Sciences

September 11

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *Gravitational waves cosmology in the era of third generation detectors* ♦ **Sumit Kumar**, Max-Planck-Institut für Gravitationsphysik, Albert Einstein Institute

September 12

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *Cosmology and Fundamental Physics from Stellar Mass Binary Black Holes* ♦ **Will Farr**, Stony Brook University, The State University of New York and Flatiron Institute, CCA

September 14

Institute for Advanced Study Astrophysics Seminar ♦ *Thermonuclear Supernovae* ♦ **Robert Fisher**, Visitor, School of Natural Sciences; University of Massachusetts Dartmouth

September 19

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *Pulsar Timing Arrays: A New Window on the Gravitational Wave Universe* ♦ **Maura McLaughlin**, West Virginia University

September 21

Institute for Advanced Study Astrophysics Seminar ♦ *Studying neutron stars with gravitational waves* ♦ **Katerina Chatziioannou**, California Institute of Technology

September 25

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *Scaling simulation-based inference for the next generation of cosmological surveys* ♦ **Chirag Modi**, Flatiron Institute

September 26

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *Multi-messenger observations of cosmic collisions and explosions: progenitors, relativistic ejecta, and remnants* ♦ **Alessandra Corsi**, Texas Tech University

September 28

Institute for Advanced Study Astrophysics Seminar ♦ *Probing dark matter with resonant dynamics of the Galactic bar* ♦ **Rimpei Chiba**, University of Toronto, Canadian Institute for Theoretical Astrophysics

October 2

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *The first pieces of the gravitational-wave progenitor population puzzle* ♦ **Lieke Van Son**, Flatiron Institute; Princeton University

October 3

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *Spinning into darkness: the slowing bar and Galactic structure* ♦ **Ralph Schoenrich**, University College London

October 5

Institute for Advanced Study Astrophysics Seminar ♦ *Dancing with the Black Holes: Spin Secrets of Merging Binaries* ♦ **Subo Dong**, Visitor, School of Natural Sciences; Peking University

October 9

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *X-ray–cosmic shear cross-correlations: first detection and constraints on baryonic effects* ♦ **Tassia Ferreira**, University of Oxford

October 10

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *The Dynamical Evolution of Exoplanet Systems Over Billions of Years* ♦ **Kevin Schlaufman**, Johns Hopkins University

October 12

Institute for Advanced Study Astrophysics Seminar ♦ *Unraveling Particle Acceleration and the Nonthermal Universe* ♦ **Rebecca Diesing**, Infosys Member, School of Natural Sciences

October 19

Institute for Advanced Study Astrophysics Seminar ♦ *Prospects of X-ray imaging of the outer heliosphere (and other “astrospheres”)* ♦ **Mikhail Medvedev**, Member, School of Natural Sciences

October 23

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *Gravitational Wave Paleontology: a new way to probe massive stars through cosmic history* ♦ **Floor Broekgaarden**, Columbia University/Flatiron Institute CCA

October 24

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *Observing Spiral Arms in Galaxies* ♦ **Karen Masters**, Haverford College

October 26

Institute for Advanced Study Astrophysics Seminar ♦ *Searching for “Lonely” Dark Objects with Microlensing* ♦ **Subo Dong**, Visitor, School of Natural Sciences; Peking University

October 30

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *Probing the Ionized Gas Thermodynamics in Distant Galaxies with the Sunyaev-Zel'dovich Effect* ♦ **Ola Kusiak**, Columbia University

October 31

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *Baryon Acoustic Oscillations with Galaxy Surveys: Present State and Some Future Prospects* ♦ **Nikhil Padmanabhan**, Yale University

November 2

Institute for Advanced Study Astrophysics Seminar ♦ *GRMHD simulations of radiatively non-efficient black hole accretion* ♦ **Monika Moscibrodzka**, Radboud University

November 6

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *Galaxy bias renormalization group* ♦ **Henrique Rubira**, Technische Universität München

November 7

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *How to Form a Habitable Planet* ♦ **Meredith MacGregor**, Johns Hopkins University

November 8

Institute for Advanced Study Astrophysics Seminar ♦ *The Albedos and Phase Curves of Celestial Bodies* ♦ **Kevin Heng**, Frank and Peggy Taplin Member (2007–10), School of Natural Sciences; Ludwig-Maximilians-Universität München

November 13

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *New Aspects of Local Primordial non-Gaussianity in Galaxy Surveys* ♦ **James Sullivan**, University of California, Berkeley

November 14

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *How much (robust) cosmological information can we obtain from galaxy clustering?* ♦ **Fabian Schmidt**, Max-Planck-Institut für Astrophysik

November 16

Institute for Advanced Study Astrophysics Seminar ♦ *The Albedos and Phase Curves of Celestial Bodies* ♦ **Laurence Perreault-Levasseur**, Université de Montréal

November 20

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *Probing primordial non-Gaussianity by reconstructing the initial conditions with machine learning* ♦ **Xinyi Chen**, Yale University

November 21

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *Subaru Hyper Suprime-Cam Year 3 Cosmology results: S8 tension?* ♦ **Masahiro Takada**, Kavli Institute for the Physics and Mathematics of the Universe, The University of Tokyo

November 27

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *Novel non-perturbative methods for constraining local primordial non-Gaussianity* ♦ **Utkarsh Giri**, The University of Arizona

November 28

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *Star Formation in Nearby Galaxies: New Insights from 100,000 Star Clusters and Associations* ♦ **Janice Lee**, Space Telescope Science Institute

November 30

Institute for Advanced Study Astrophysics Seminar ♦ *Gravitational-wave signatures of supermassive black holes* ♦ **Gabriela Sato-Polito**, Friends of the Institute for Advanced Study Member, School of Natural Sciences

December 4

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *Beyond Summary Statistics: Leveraging Generative Models for Field-Level Weak Lensing Analysis* ♦ **Biwei Dai**, University of California, Berkeley

December 5

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *Cosmology and Galaxy Formation at the Crossroads* ♦ **Michael Boylan-Kolchin**, The University of Texas at Austin

December 7

Institute for Advanced Study Astrophysics Seminar ♦ *Exploring the Dynamics of Supercritical Accretion onto the Strongly Magnetized Neutron Stars* ♦ **Lizhong Zhang**, Member, School of Natural Sciences

January 29

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *The universal multiplicity function: counting halos and voids* ♦ **Giovanni Verza**, New York University

January 30

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *New views of planetary and brown dwarf atmospheric physics and chemistry with JWST* + **Jonathan Fortney**, University of California, Santa Cruz

February 1

Institute for Advanced Study Astrophysics Seminar + *Circumbinary discs: Planet formation in a dynamically complex environment* + **Rebecca Martin**, University of Nevada, Las Vegas

February 5

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Black Hole Ringdown Spectroscopy for Processing Binary Black Hole Coalescences* + **Hengrui Zhu**, Princeton University

February 6

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *Black hole accretion in the TDAMM Era* + **Erin Kara**, Massachusetts Institute of Technology

February 8

Institute for Advanced Study Astrophysics Seminar + *Radio Astronomy from the Ends of the Earth* + **Jon Sievers**, McGill University

February 12

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Gravitational waves from binary boson stars* + **Nils Siemonsen**, Princeton University

February 13

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *Measurements of the Expansion Rate of the Universe and the Lingering Hubble Tension* + **Daniel Scolnic**, Duke University

February 15

Institute for Advanced Study Astrophysics Seminar + *Linear Inverse Problems, Quadratic Spectral Estimators & Spatospectral Concentration to study Earth, Planets, and Space* + **Frederik Simons**, Member, School of Natural Sciences; Princeton University

February 20

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *Finding Relativistic Stellar Explosions as Fast Optical Transients* + **Anna Ho**, Cornell University

February 22

Institute for Advanced Study Astrophysics Seminar + *Pulsar magnetospheres and their radiation* + **Sasha Philippov**, University of Maryland

February 26

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Cosmology from weak lensing three-point correlation function* + **Sunao Sugiyama**, University of Pennsylvania

February 27

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *Towards EeV neutrino astronomy with GRAND* + **Kumiko Kotera**, Institut d'Astrophysique de Paris

February 29

Institute for Advanced Study Astrophysics Seminar + *New Insights into Strong Gravity from Accreting Black Holes* + **Prashant Kocherlakota**, Harvard University

March 4

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Exploring Beyond- Λ CDM Models with Bayesian and Frequentist Statistics* + **Laura Herold**, Johns Hopkins University

March 5

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *Planet Nine from Outer Space* + **Mike Brown**, California Institute of Technology

March 7

Institute for Advanced Study Astrophysics Seminar + *High energy neutrinos from Tidal Disruption Events* + **Cecilia Lunardini**, Member, School of Natural Sciences; Arizona State University

March 11

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *A new five-sigma tension in the standard cosmological model: twenty years of growing evidence for new physics in the Lyman-alpha forest* + **Keir Rogers**, University of Toronto

March 14

Institute for Advanced Study Astrophysics Seminar + *The $S(\sigma_8)$ tension at the onset of stage-IV surveys* + **Nickolas Kokron**, Member, School of Natural Sciences

March 18

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Exploring Tidal Effects: A New Perspective From Effective Field Theory* + **Zihan Zhou**, Princeton University

March 19

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *A "Cloud-Scale" View of the Matter Cycle in Galaxies* + **Adam Leroy**, The Ohio State University

March 21

Institute for Advanced Study Astrophysics Seminar + *Black holes and revelations: unseen companions in stellar binaries* + **Kareem El-Badry**, California Institute of Technology

March 25

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Field Level Inference of Cosmological Large Scale Structure with Neural Quantile Estimation* + **He Jia**, Princeton University

March 26

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *Early r-process enrichment in globular clusters* + **Evan Kirby**, University of Notre Dame

March 28

Institute for Advanced Study Astrophysics Seminar + *Astrophysical Lessons from LIGO-Virgo-KAGRA's Black Holes* + **Maya Fishbach**, University of Toronto, Canadian Institute for Theoretical Astrophysics

April 1

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Simulating Our Universe. How and Why?* + **Elena Hernandez**, Ludwig-Maximilians-Universität München

April 2

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *How well can we estimate stellar ages?* + **Jamie Tayar**, University of Florida

April 4

Institute for Advanced Study Astrophysics Seminar + *A Fresh Look at Galaxy Scaling Relations and What They Reveal about Galaxy Formation* + **Mike Fall**, Space Telescope Science Institute

April 9

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *The Cost of Brightening Night Skies on Ground-Based Astronomy* + **Aparna Venkatesan**, University of San Francisco

April 11

Institute for Advanced Study Astrophysics Seminar + *Star Formation and Feedback: A Modern Primer* + **Eve Ostriker**, Member, School of Natural Sciences; Princeton University

April 16

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *Radiatively-cooled Magnetic Reconnection Experiments* + **Jack Hare**, Massachusetts Institute of Technology

April 18

Institute for Advanced Study Astrophysics Seminar ♦ *Decoding Supernova Remnants* ♦ **Abigail Polin**, Purdue University

April 23

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *A Golden Age of Asteroseismology with Kepler and TESS* ♦ **Tim Bedding**, The University of Sydney

April 25

Institute for Advanced Study Astrophysics Seminar ♦ *Micromirror confinement of sub-TeV cosmic rays in galaxy clusters* ♦ **Patrick Reichherzer**, University of Oxford

April 29

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *DESI 2024 Y1 BAO results in-depth, and an accompanying discussion* ♦ **Stephen Chen**, Member, School of Natural Sciences

April 30

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium and Spitzer Lecture ♦ *Finding the most distant galaxies in the universe with JWST* ♦ **Brant Robertson**, Junior Visiting Professor (2019), School of Natural Sciences; University of California, Santa Cruz

May 2

Institute for Advanced Study Astrophysics Seminar ♦ *Testing Galaxy Formation Models with Large-scale Surveys of the Milky Way Stellar Halo* ♦ **Emily Cunningham**, Columbia University

HIGH ENERGY THEORY

September 5

Amplitudes Group Meeting ♦ *Introductory Meeting* ♦ Various participants

September 6

Physics Group Meeting ♦ *Introductory Meeting* ♦ Various participants

September 11

CMP/QFT Group Meeting ♦ *Anomalies and Gauging on the Lattice* ♦ **Sahand Seifnashri**, Member, School of Natural Sciences

September 12

Amplitudes Group Meeting ♦ *Forward Limit-like Recursions beyond Planar* ♦ **Hadleigh Frost**, University of Oxford, Merton College

September 14

Special High Energy Theory Seminar ♦ *DSSY K_∞ and its Possible Dual Relation to JT-de Sitter Space* ♦ **Leonard Susskind**, Visitor (1995) and Member (1997), School of Natural Sciences; Stanford University

September 15

High Energy Theory Seminar ♦ *The Next-to-Leading Order Scattering Waveform from Amplitudes* ♦ **Aidan Herderschee**, Member, School of Natural Sciences

September 18

CMP/QFT Group Meeting ♦ *Duality, Non-Invertible Symmetry and symTFT with Subsystem Symmetry* ♦ **Weiguang Cao**, The University of Tokyo

September 19

Amplitudes Group Meeting ♦ *Kinematic Flow and the Emergence of Time* ♦ **Nima Arkani-Hamed**, Professor, School of Natural Sciences

September 20

Physics Group Meeting ♦ *Microstates of Black Holes in AdS* ♦ **Chi-Ming Chang**, Member, School of Natural Sciences; Tsinghua University

September 21

Quantum Aspects of Black Holes Group Meeting ♦ *Generalized Black Hole Entropy as von Neumann Entropy* ♦ **Samuel A. Leutheusser**, Princeton University

September 25

High Energy Theory Seminar ♦ *Non-Linear Quantum Mechanics* ♦ **David E. Kaplan**, Johns Hopkins University

September 26

Amplitudes Group Meeting ♦ *Make the Flat-Space Structure of (A)dS Scattering Useful* ♦ **Yue-Zhou Li**, Princeton University

September 27

Physics Group Meeting ♦ *The Quantum Entropy of Supersymmetric Black Holes and the Schwarzschild Theory* ♦ **Sameer Murthy**, J. Robert Oppenheimer Visiting Professor, School of Natural Sciences; King's College London

September 28

Quantum Aspects of Black Holes Group Meeting ♦ *New Attractors for the Black Hole Index* ♦ **Sameer Murthy**, J. Robert Oppenheimer Visiting Professor, School of Natural Sciences; King's College London

October 2

High Energy Theory Seminar ♦ *Symmetry Resolution at High Energy* ♦ **Hiroshi Ooguri**, Member (1988–89) and Visiting Professor (2015), School of Natural Sciences; California Institute of Technology; Kavli Institute for the Physics and Mathematics of the Universe, The University of Tokyo

October 3

Special High Energy Theory Seminar ♦ *Kaluza-Klein Spectroscopy from Exceptional Field Theory* ♦ **Oscar Varela**, Utah State University; Instituto de Física Teórica-Madrid

October 4

Physics Group Meeting ♦ *Exploring the Infrared Structure of Massless Gauge Theories* ♦ **Lorenzo Magnea**, Università di Torino

October 6

High Energy Theory Seminar ♦ *The Dark-Matter Problem of the Moduli Space of Curves and its (partial) Tropical Solution* ♦ **Michael Borinsky**, Eidgenössische Technische Hochschule Zürich

October 9

CMP/QFT Group Meeting ♦ *Stabilizer Testing and Magic Entropy: A Quantum Convolutional Approach* ♦ **Kaifeng Bu**, Harvard University

High Energy Theory Seminar ♦ *Finite Entanglement Entropy in String Compactifications* ♦ **Atish Dabholkar**, The Abdus Salam International Centre for Theoretical Physics, Trieste, Italy

October 10

Amplitudes Group Meeting ♦ *From Scalars to Pions and Gluons: New Structure Closer to the Real World* ♦ **Carolina Figueiredo**, visiting graduate student, School of Natural Sciences; Princeton University

October 11

Special High Energy Theory Seminar ♦ *From Shockwaves to Gravitational Memory: New Approaches to Flat Space Holography* ♦ **Kathryn Zurek**, Visitor (2012), School of Natural Sciences; California Institute of Technology

October 12

Quantum Aspects of Black Holes Group Meeting ♦ *In Pursuit of Better Holographic Tensor Networks* ♦ **Chris Akers**, Member, School of Natural Sciences

October 16

High Energy Theory Seminar ♦ *A New Spin on Long-Range Interactions: Continuous Spin Particles and Predictions for their Interactions* ♦ **Natalia Toro**, Member (2011), School of Natural Sciences; SLAC National Accelerator Laboratory

October 17

Quantum Aspects of Black Holes Group Meeting ♦ *A Framework from Subregion Entropy in Semiclassical Gravity* ♦ **Jonathan Sorce**, Massachusetts Institute of Technology

Amplitudes Group Meeting ♦ *Amplituhedra and Cluster Algebras* ♦ **Matteo Parisi**, Member, School of Natural Sciences

October 18

Physics Group Meeting ♦ *Entropy Differences in Quantum Field Theory and a Rigorous Proof of the Bekenstein Bound* ♦ **Jonah Kudler-Flam**, Marvin L. Goldberger Member, School of Natural Sciences

October 20

High Energy Theory Seminar ♦ *Equivariant Higher Berry Classes for Quantum Many-Body Systems* ♦ **Nikita Sopenko**, Member, School of Natural Sciences

October 24

Amplitudes Group Meeting ♦ *On-shell Minimal Coupling and Classifying 5D Amplitudes with Spinor-Helicity* ♦ **Weiming Wayne Zhao**, visiting graduate student, School of Natural Sciences; Princeton University

October 25

Physics Group Meeting ♦ *The Geometric, Algebraic, and Transcendental Structure of Perturbative QFT* ♦ **Jacob Bourjaily**, The Pennsylvania State University

October 30

CMP/QFT Group Meeting ♦ *LSM Anomalies in Open Quantum Systems* ♦ **Ramanjit Sohal**, Princeton University

High Energy Theory Seminar ♦ *Refined Instanton Analysis for Asymptotically Free QFTs and Mass Gap* ♦ **Mithat Unsal**, North Carolina State University

October 31

Amplitudes Group Meeting ♦ *Conjuring Crossing Beyond Scattering Amplitudes* ♦ **Mathieu Giroux**, McGill University

November 1

Physics Group Meeting ♦ *A Background Independent Algebra in Quantum Gravity* ♦ **Edward Witten**, Professor Emeritus, School of Natural Sciences

November 2

Quantum Aspects of Black Holes Group Meeting ♦ *Probe Black Hole Interior with an Infalling Observer by Modular Flow* ♦ **Ping Gao**, Rutgers, The State University of New Jersey

November 7

Amplitudes Group Meeting ♦ *Bootstrapping Bulk Locality* ♦ **Nat Levine**, École Normale Supérieure, Paris

Special High Energy Theory Seminar ♦ *Tidal Squeezing of Black Holes* ♦ **Maria Jose Rodriguez**, Utah State University; Instituto de Física Teórica UAM/CSIC; Black Hole Initiative, Harvard University

November 8

Physics Group Meeting ♦ *The Harmonic Oscillator of Large Language Models* ♦ **Jorrit Kruthoff**, Member, School of Natural Sciences

November 9

Quantum Aspects of Black Holes Group Meeting ♦ *Double-scaled SYK and de Sitter Holography* ♦ **Vladimir Narovlansky**, Princeton University

November 16

Quantum Aspects of Black Holes Group Meeting ♦ *Bad Options for Black Holes* ♦ **Raphael Bousso**, University of California, Berkeley

November 20

High Energy Theory Seminar ♦ *The M-theory Three-Form and ADE Gauge Symmetry* ♦ **Martijn Wijnholt**, University of Pennsylvania

November 21

Amplitudes Group Meeting ♦ *How Can We Use Language Models, Here and Now?* ♦ **Sebastian Mizera**, Roger Dashen Member, School of Natural Sciences

November 22

Physics Group Meeting ♦ *(Semi-)Classical Physics from Amplitudes* ♦ **Donal O'Connell**, Visitor, School of Natural Sciences; The University of Edinburgh

November 29

Physics Group Meeting ♦ *Two Dimensional QCD as a String Theory* ♦ **Ofer Aharony**, Distinguished Visiting Professor, School of Natural Sciences; Weizmann Institute of Science

November 30

Quantum Aspects of Black Holes Group Meeting ♦ *Quasinormal Modes and One-Loop Partition Functions* ♦ **Zimo Sun**, Princeton University

December 5

Amplitudes Group Meeting ♦ *BCJ Bootstrap and Poles of On-Shell Diagrams* ♦ **Taro Brown**, University of California, Davis; **Umut Oktem**, University of California, Davis

December 6

Physics Group Meeting ♦ *Using Large Language Models to Study Human Memory for Meaningful Narratives* ♦ **Michail Tsodyks**, C.V. Starr Professor, School of Natural Sciences

December 8

High Energy Theory Seminar ♦ *The Quality/Cosmology Tension for a Post-Inflation QCD Axion* ♦ **Qianshu Lu**, Member, School of Natural Sciences

December 11–13

Workshop on Spacetime and Quantum Information ♦ *Islands Far Outside the Horizon* ♦ **Geoff Penington**, Junior Visiting Professor (2021–22), School of Natural Sciences; University of California, Berkeley ♦ *Gravitational Algebras in (A)dS₂* ♦ **David Kolchmeyer**, Massachusetts Institute of Technology ♦ *Black Hole Interiors* ♦ **Stefan Hollands**, Universität Leipzig ♦ *Horizon Phase Spaces in General Relativity* ♦ **Éanna Flanagan**, Cornell University ♦ *Scrambling and Quantum Error Correction Frontier* ♦ **Mikhail Lukin**, Harvard University ♦ *Scramblon Loops* ♦ **Shunyu Yao**, Stanford University ♦ *Symplectic Analysis*

of Null Raychaudhuri ♦ **Luca Ciambelli**, Perimeter Institute for Theoretical Physics ♦ *Gauging Spacetime Inversions* ♦ **Daniel Harlow**, Massachusetts Institute of Technology ♦ *Type I von Neumann Algebras from Gravitational Path Integrals: Ryu–Takayanagi as Entropy Without Holography* ♦ **Eugenia Colafranceschi**, University of California, Santa Barbara ♦ *Vacuum Asymptotic Codes* ♦ **Thomas Faulkner**, Member (2012–13), School of Natural Sciences; University of Illinois at Urbana-Champaign ♦ *Keeping Matter in the Loop in 3D Quantum Gravity* ♦ **Alejandra Castro**, University of Cambridge ♦ *Complexity of Learning and Creating Quantum Systems* ♦ **Hsin-Yuan (Robert) Huang**, California Institute of Technology ♦ *Closed Cosmologies in Two Dimensional Gravity* ♦ **Ying Zhao**, Member (2018–21), School of Natural Sciences; Kavli Institute for Theoretical Physics, University of California, Santa Barbara ♦ *The Non-Perturbative Hilbert Space of JT Gravity* ♦ **Luca Iliesiu**, Stanford University; University of California, Berkeley ♦ *Holography on the Quantum Disk* ♦ **Ahmed Almheiri**, Member (2017–22), School of Natural Sciences; New York University Abu Dhabi ♦ *New Non-Perturbative Results from a Random Matrix Model of N=2 JT Supergravity* ♦ **Clifford V. Johnson**, Member (1992–94), School of Natural Sciences; University of California, Santa Barbara ♦ *Cosmology from Random Entanglement* ♦ **Stefano Antonini**, University of California, Berkeley ♦ *What Exactly Does Bekenstein Bound?* ♦ **Jinzhaoh Wang**, Stanford University ♦ *AdS₃/RMT² Duality* ♦ **Eric Perlmutter**, Institut de Physique Théorique, Saclay; Institut des Hautes Études Scientifiques ♦ *Background Independent Algebra for an Observer* ♦ **Edward Witten**, Professor Emeritus, School of Natural Sciences

December 14

Quantum Aspects of Black Holes Group Meeting ♦ *Discussion based on the talks from the Workshop on Spacetime and Quantum Information*

January 18

Quantum Aspects of Black Holes Group Meeting ♦ *Three Point Amplitudes in Matrix Theory* ♦ **Aidan Herderschee**, Member, School of Natural Sciences

January 22

CMP/QFT Group Meeting ♦ *Spectrum Degeneracies from Quantum Evanesence* ♦ **Weiguang Cao**, The University of Tokyo

January 25

Quantum Aspects of Black Holes Group Meeting ♦ *Comments on the Double Cone Wormhole* ♦ **Victor Ivo**, visiting graduate student, School of Natural Sciences; Princeton University

January 29

CMP/QFT Group Meeting ♦ *Noether Charges as Many-Body Topological Invariants* ♦ **Jonah Herzog-Arbeitman**, Princeton University

High Energy Theory Seminar ♦ *Fuzzy Sphere Regularization of 3D CFTs* ♦ **Yin-Chen He**, Perimeter Institute for Theoretical Physics

January 31

Physics Group Meeting ♦ *The EFT of Large Spin Mesons* ♦ **Gabriel Cuomo**, Princeton University

February 1

Quantum Aspects of Black Holes Group Meeting ♦ *A TQFT Approach to 3d Gravity* ♦ **Mengyang Zhang**, Princeton University

February 2

High Energy Theory Seminar ♦ *Update on Supersymmetric Field Theory and Invariants of Smooth Four-Manifolds* ♦ **Gregory Moore**, Distinguished Visiting Professor, School of Natural Sciences; Rutgers, The State University of New Jersey

February 5

CMP/QFT Group Meeting ♦ *Continued Discussion on Noether Charges as Many-Body Topological Invariants* ♦ **Jonah Herzog-Arbeitman**, Princeton University

February 7

Physics Group Meeting ♦ *Double-Scaled SYK from de Sitter Gravity* ♦ **Herman Verlinde**, Member, School of Natural Sciences; Princeton University

February 8

Quantum Aspects of Black Holes Group Meeting ♦ *On the CFT Dual of Type II String Theory on $AdS_3 \times S^3 \times T^4$* ♦ **Ofer Aharony**, Distinguished Visiting Professor, School of Natural Sciences; Weizmann Institute of Science

February 12

High Energy Theory Seminar ♦ *Semi-Classical Physics at Large Quantum Numbers* ♦ **Zohar Komargodski**, Member (2008–2013), School of Natural Sciences; Simons Center for Geometry and Physics, Stony Brook University, The State University of New York

February 14

Physics Group Meeting ♦ *Recent Progress in Lattice Spin Glasses* ♦ **Sourav Chatterjee**, Member, School of Mathematics

February 15

Quantum Aspects of Black Holes Group Meeting ♦ *A Worksheet Derivation of the Dilaton Boundary Term of the Classical String Action in Half-Space* ♦ **Amr Ahmadain**, Visitor (2022), School of Natural Sciences; Swansea University

February 16

High Energy Theory Seminar ♦ *What is the Symmetry Class of Bulk Holography?* ♦ **Aron Wall**, Member, School of Natural Sciences; University of Cambridge

February 21

Physics Group Meeting ♦ *Many-Body Localization* ♦ **David Huse**, Visiting Associate, School of Natural Sciences; Princeton University

February 26

CMP/QFT Group Meeting ♦ *On Generalized Lieb-Schultz-Mattis Theorems for Quantum Spin Chains* ♦ **Nikita Sopenko**, Member, School of Natural Sciences

February 27

Amplitudes Group Meeting ♦ *Scattering Theory and Infrared Divergences* ♦ **Holmfridur Hannesdottir**, William D. Loughlin Member, School of Natural Sciences

February 29

Quantum Aspects of Black Holes Group Meeting ♦ *Cauchy Slice Holography* ♦ **Aron Wall**, Member, School of Natural Sciences; University of Cambridge

March 1

High Energy Theory Seminar ♦ *Tensor Model for 3d Gravity* ♦ **Daniel Jafferis**, Visiting Professor, School of Natural Sciences; Harvard University

March 4

CMP/QFT Group Meeting ♦ *In Search of an Organizing Principle for Quantum Hall Systems* ♦ **Gerardo Ortiz**, Member, School of Natural Sciences; Indiana University

March 5

Amplitudes Group Meeting ♦ *S-matrix Positivity without Lorentz Invariance: A Case Study* ♦ **Ioanna Kourkoulou**, Columbia University

March 11–22

The S-Matrix Marathon Workshop ♦ *Tasty Bits of Several Complex Variables* ♦ **Jiří Lebl**, Oklahoma State University; **Sean Curry**, Oklahoma State University ♦ *Scattering on the Lattice* ♦ **Maxwell Hansen**, The University of Edinburgh ♦ *Dispersion Relations in QCD* ♦ **Emilie Passemar**, Indiana University ♦ *Schwinger-Keldysh Formalism* ♦ **Mukund Rangamani**, Member (2014), School of Natural Sciences; University of California, Davis ♦ **Felix Haehl**, Member (2019–22), School of Natural Sciences; University of Southampton ♦ *Boundary View on Analyticity* ♦ **Balt van Rees**, Centre de Physique Théorique, École Polytechnique ♦ **Aditya Hebbar**, Centre de Physique Théorique, École Polytechnique ♦ *Observables in Expanding Universes* ♦ **Paolo Benincasa**, Max-Planck-Institut für Physik ♦ **Francisco Vazão**, Max-Planck-Institut für Physik ♦ *The Analytic S-matrix Revisited* ♦ **Simon Caron-Huot**, Member (2009–14, 2022), School of Natural Sciences; McGill University ♦ **Mathieu Giroux**, McGill University ♦ **Celina Pasiecznik**, McGill University ♦ *A Timeless History of Time* ♦ **Enrico Pajer**, University

of Cambridge ♦ **Mang Hei Gordon Lee**, University of Cambridge ♦ *Gravitational Physics from Scattering Amplitudes* ♦ **Giulia Isabella**, University of California, Los Angeles ♦ **Miguel Correia**, Visitor (2022), School of Natural Sciences; McGill University ♦ **Anna Wolz**, University of California, Los Angeles ♦ *Sprint Talks: Singularities, Analyticity and Time Machines, A Double Copy from Twisted (co)Homology at Genus One, S-matrix Positivity without Lorentz Invariance: A Case Study* ♦ **Alessandro Podo**, Columbia University ♦ **Andrzej Pokraka**, Brown University ♦ **Francesco Serra**, Johns Hopkins University ♦ **Cristian Vergu**, The Pennsylvania State University

March 11

High Energy Theory Seminar ♦ *Superstring Partition Functions in AdS_3* ♦ **Mukund Rangamani**, Member (2014), School of Natural Sciences; University of California, Davis

March 14

Quantum Aspects of Black Holes Group Meeting ♦ *Algebraic Observational Cosmology* ♦ **Jonah Kudler-Flam**, Marvin L. Goldberger Member, School of Natural Sciences

March 21

Quantum Aspects of Black Holes Group Meeting ♦ *The Cosmological CPT Theorem* ♦ **Ayngaran Thavanesan**, University of Cambridge

March 25

CMP/QFT Group Meeting ♦ *Topology and Disorder in Driven Quantum Systems* ♦ **Adrian Culver**, University of California, Los Angeles

March 26

Amplitudes Group Meeting ♦ *A Tale of Two Elliptic Curves: The EPS-form DEQ for the 5-mass Kite* ♦ **Andrzej Pokraka**, Brown University

March 28

Quantum Aspects of Black Holes Group Meeting ♦ *General Discussion of Recent Papers*

March 29

High Energy Theory Seminar ♦ *Multipartite Edge Modes and Tensor Networks* ♦ **Chris Akers**, Member, School of Natural Sciences

April 3

Physics Group Meeting ♦ *Gravitational Wave Measurements with Pulsar Timing Arrays* ♦ **Gabriela Sato-Polito**, Friends of the Institute for Advanced Study Member, School of Natural Sciences

April 4

Quantum Aspects of Black Holes Group Meeting ♦ *Decoherence of Quantum Superpositions Due to Black Holes vs. Ordinary Matter* ♦ **Anna Biggs**, Visitor (2022), School of Natural Sciences; Princeton University

April 10

Quantum Aspects of Black Holes Group Meeting ♦ *Some Comments on the Non-Perturbative Bulk Hilbert Space of JT Gravity* ♦ **Henry Lin**, Visitor (2022), School of Natural Sciences; Stanford University

April 12

High Energy Theory Seminar ♦ *The Miura Operator is an R-matrix, via Intersecting Branes* ♦ **Nathan Haouzi**, Member, School of Natural Sciences

High Energy Theory Seminar ♦ *Staggered Bosons, Kahler Dirac Bosons and Supersymmetry on the Lattice* ♦ **David Berenstein**, Member (2001–04, 2010), School of Natural Sciences; University of California, Santa Barbara

April 16

Amplitudes Group Meeting ♦ *The Regge Bootstrap, from Linear to non-Linear Trajectories* ♦ **Piotr Tourkine**, Laboratoire d'Annecy-le-Vieux de Physique Théorique

April 18

Quantum Aspects of Black Holes Group Meeting ♦ *A Compendium of Logarithmic Corrections in AdS/CFT* ♦ **Nikolay Bobev**, Visitor, School of Natural Sciences; Katholieke Universiteit Leuven

April 22

CMP/QFT Group Meeting ♦ *Lattice Realization of Topological Defects in 2D Conformal Field Theories (CFTs)* ♦ **Madhav Sinha**, Rutgers, The State University of New Jersey

High Energy Theory Seminar ♦ *“Unnecessary” Quantum Critical Points in Condensed Matter and Field Theory* ♦ **Senthil Todadri**, Massachusetts Institute of Technology

April 24

Physics Group Meeting ♦ *On a Z₃ Topological Term in 10d Heterotic String Theories* ♦ **Yuji Tachikawa**, Member (2006–11, 2014), School of Natural Sciences; Kavli Institute for the Physics and Mathematics of the Universe, The University of Tokyo

April 26

High Energy Theory Seminar ♦ *Aspects of Topological Symmetry, Holography, and Branes* ♦ **Ibrahima Bah**, Member (2021–22), School of Natural Sciences; Johns Hopkins University

April 29

CMP/QFT Group Meeting ♦ *Topological Order in Mixed-States* ♦ **Ramanjit Sohal**, Princeton University/The University of Chicago

April 30

Special High Energy Theory Seminar ♦ *Magnetic Quivers and Phase Diagrams* ♦ **Amihay Hanany**, Member (1995–98, 2003), School of Natural Sciences; Imperial College London

May 1

Physics Group Meeting ♦ *Tidal Effects of Compact Objects from Theory to Observation* ♦ **Zihan Zhou**, Princeton University

May 2

Quantum Aspects of Black Holes Group Meeting ♦ *Relative State-Counting for Semiclassical Black Holes* ♦ **Chris Akers**, Member, School of Natural Sciences

May 9

Quantum Aspects of Black Holes Group Meeting ♦ *The Additivity Anomaly in Holographic CFTs* ♦ **Sam Leutheusser**, Princeton University

May 10

High Energy Theory Seminar ♦ *Algebra of the Infrared with Twisted Masses* ♦ **Ahsan Z. Khan**, Member, School of Natural Sciences

May 22

Physics Group Meeting ♦ *Causality Constraints on Gravity and Large-N Matters* ♦ **Yue-Zhou Li**, Princeton University

May 23

Quantum Aspects of Black Holes Group Meeting ♦ *Building Up Quantum Spacetimes with BCFT Legos* ♦ **Yikun Jiang**, Northeastern University

May 24

High Energy Theory Seminar ♦ *t Hooft Anomaly Detection in 2+1d Lattice Systems* ♦ **Wilbur Shirley**, Member, School of Natural Sciences

May 28

Amplitudes Group Meeting ♦ *Structures in the Non-Planar Sector of QCD* ♦ **Giulio Gambuti**, University of Oxford

May 30

Quantum Aspects of Black Holes Group Meeting ♦ *Discussion of Recent Papers*

June 10–14

Amplitudes 2024 Conference ♦ *Two-Loop Integrals for the Production of Two Heavy Bosons and a Jet at the LHC* ♦ **Samuel Abreu**, CERN ♦ *Amplitudes and Gravitational Waves* ♦ **Zvi Bern**, Member (1992–93), School of Natural Sciences; University of California, Los Angeles ♦ *Gravitational-Wave Astronomy: Post-Minkowskian Theory Meets the Effective-One-Body Approach* ♦ **Alessandra Buonanno**, Max-Planck-Institut für Gravitationsphysik ♦ *From Quantum to Classical Scattering of Kerr Black Holes* ♦ **Lucile Cangemi**, Uppsala University ♦ *Self-Dual Cosmology and the Color-Kinematics Duality* ♦ **Mariana Carrillo González**, Imperial College London ♦ *Machine Learning the Bootstrapped Amplitudes of Three Gluon Form Factors* ♦ **Francois Charton**, Meta AI ♦ *Categorical Symmetries and 1+1d Scattering Amplitudes* ♦ **Christian Copetti**, University of Oxford ♦ *Bootstrapping Amplitudes Using*

Chiral Algebras ♦ **Kevin Costello**, Perimeter Institute for Theoretical Physics ♦ *From Scattering Amplitudes to General Relativity: The Gravitational Waveform* ♦ **Stefano De Angelis**, Institut de Physique Théorique, Saclay ♦ *Five Parton Scattering in the High Energy Limit* ♦ **Federica Devoto**, University of Oxford ♦ *Real World Amplitudes from Curves on Surfaces* ♦ **Carolina Figueiredo**, visiting graduate student, School of Natural Sciences; Princeton University ♦ *Recursive Landau Analysis* ♦ **Mathieu Giroux**, McGill University ♦ *AdS String Amplitudes and their High Energy Limit* ♦ **Tobias Hansen**, Durham University ♦ *Gauge Theory Bootstrap: Pion Amplitudes and Low Energy Parameters* ♦ **Yifei He**, École Normale Supérieure, Paris ♦ *Positivity Properties of Scattering Amplitudes* ♦ **Johannes Henn**, Member (2011–15), School of Natural Sciences; Max-Planck-Institut für Physik ♦ *Summation-by-Parts, Master Functions and Difference Equations for Loop Witten Diagrams* ♦ **Aidan Herderschee**, Member, School of Natural Sciences ♦ *w(1+infinity) Symmetry in 4D Gravitational Scattering* ♦ **Mina Himwich**, Princeton University ♦ *Loops in the Sky: Recent Applications of Amplitude Methods in Galaxy Clustering and Gravitational Wave Physics* ♦ **Mikhail Ivanov**, NASA Einstein Fellow (2021–23), School of Natural Sciences; Massachusetts Institute of Technology ♦ *The S-matrix and Boundary Correlators in Flat Space* ♦ **Diksha Jain**, Tata Institute of Fundamental Research, Mumbai ♦ *Enhanced Duality in 4D Supergravity* ♦ **Renata Kallosh**, Stanford University ♦ *Finite Feynman Integrals* ♦ **David Kosower**, Member (2015–16), School of Natural Sciences; CEA Paris-Saclay ♦ *Kinematic Flow and the Emergence of Time* ♦ **Hayden Lee**, The University of Chicago ♦ *Three Point Amplitudes from the Matrix Model Approach to Eleven Dimensional M-theory* ♦ **Juan Maldacena**, Carl P. Feinberg Professor, School of Natural Sciences ♦ *Minimal Cuts and Genealogical Constraints on Feynman Integrals* ♦ **Andrew McLeod**, The University of Edinburgh ♦ *Conformal Colliders meet the LHC* ♦ **Ian Moutt**, Yale University ♦ *Hidden Zeros and the Double Copy* ♦ **Shruti Paranjape**, University of California, Davis ♦ *The 5-mass Kite Integral Family on Two Tori* ♦ **Franziska Porkert**, Universität Bonn ♦ *Recent Developments in String Amplitudes* ♦ **Oliver Schlotterer**, Uppsala University ♦ *Amplitudes for SM EFTs* ♦ **Yael Shadmi**, Technion–Israel Institute of Technology ♦ *Multiparticle Scattering Amplitudes from Lattice QCD* ♦ **Stephen Sharpe**, University of Washington ♦ *The Dark Side of Precision Calculations: Subtractions* ♦ **Chiara Signorile-Signorile**, Max-Planck-Institut für Physik ♦ *Bespoke Unitarity and Colored Yukawa Theory* ♦ **Marcus Spradlin**, Member (2005–06, 2010–11, 2017–18), School of Natural Sciences; Brown University/Harvard University ♦ *Momentum-Space Locality in Factorized Amplitudes and Cross Sections* ♦ **George Sterman**, Member (1978–79, 1985–86), School of Natural Sciences; Stony Brook University, The State University of

New York ♦ *Soft Collinear Effective Theory & Collider Physics* ♦ **Iain Stewart**, Massachusetts Institute of Technology ♦ *Minimal Kinematics* ♦ **Bernd Sturmfels**, Max-Planck-Institut für Mathematik in den Naturwissenschaften ♦ *Scattering Amplitudes and Feynman Integrals for Collider Physics* ♦ **Lorenzo Tancredi**, Technische Universität München ♦ *Massless Interactions Beyond the Helicity Lamppost: Making Sense of Continuous Spin* ♦ **Natalia Toro**, Member (2011), School of Natural Sciences; SLAC National Accelerator Laboratory ♦ *The Magic Number Conjecture for the $M=2$ Amplituhedron and Parke-Taylor Identities* ♦ **Lauren Williams**, von Neumann Fellow (2017), School of Mathematics, School of Natural Sciences; Harvard University ♦ *Symbol Letters of Feynman Integrals from Gram Determinants* ♦ **Xiaofeng Xu**, Johannes Gutenberg-Universität Mainz ♦ *Bootstrapping Planar $N=4$ SYM at Finite Coupling* ♦ **Zahra Zahraee**, CERN

June 17–21

Amplitudes 2024 Summer School ♦ *The Tropical and Discrete Geometry of Feynman Integrals* ♦ **Michael Borinsky**, Eidgenössische Technische Hochschule Zürich ♦ *Amplitudes for Phenomenology* ♦ **Fabrizio Caola**, University of Oxford ♦ *Causality and Inclusive Amplitudes* ♦ **Simon Caron-Huot**, Member (2009–14, 2022), School of Natural Sciences; McGill University; The University of Edinburgh ♦ **Lucía Córdova**, CERN ♦ *Scattering Amplitudes and Effective Field Theory* ♦ **Henriette Elvang**, Member (2008–09, 2010), School of Natural Sciences; University of Michigan ♦ *Amplitudes and Observables* ♦ **Donal O’Connell**, Visitor, School of Natural Sciences; The University of Edinburgh

July 8–19

Prospects in Theoretical Physics 2024: Ultra-Quantum Matter ♦ *Duality in the Symmetry Topological Field Theory Framework* ♦ **Xie Chen**, California Institute of Technology ♦ *Mixed-State Quantum Phases* ♦ **Meng Cheng**, Yale University ♦ *Tensor Networks* ♦ **Ignacio Cirac**, Max-Planck-Institut für Quantenoptik ♦ *Introduction to Moiré Materials* ♦ **Eslam Khalaf**, Harvard University ♦ *The Physics of LDPC Codes* ♦ **Vedika Khemani**, Stanford University ♦ *Applications of Flux-Insertion and Large Gauge Invariance: From Luttinger Theorem to Conductivity Sum Rules* ♦ **Masaki Oshikawa**, Institute for Solid State Physics, University of Tokyo ♦ *Quantum Geometry in Linear Response* ♦ **Raquel Queiroz**, Columbia University ♦ *Higher Berry Phase* ♦ **Shinsei Ryu**, Princeton University ♦ *Quantum Phase Transitions of Metals* ♦ **Subir Sachdev**, Distinguished Visiting Professor (2021–22), School of Natural Sciences; Harvard University ♦ *Non-Invertible Symmetries* ♦ **Shu-Heng Shao**, Member (2016–21), School of Natural Sciences; Stony Brook University, The State University of New York ♦ *Effective Field Theories in Condensed Matter* ♦ **Dam Thanh Son**, Member (2006),

School of Natural Sciences; The University of Chicago ♦ *Generalized Symmetry: A Birdseye Perspective* ♦ **Xiao-Gang Wen**, Member (1990–91, 2022–23), School of Natural Sciences; Massachusetts Institute of Technology ♦ *Anyon Condensation and its Applications* ♦ **Carolyn Zhang**, Harvard University

July 22–26

Princeton Center for Complex Materials Summer School: Quantum Matter: Superconductivity, Topology and Correlations ♦ *Mapping of Interacting Flat Bands with Concentrated Berry Curvature to a Topological Heavy Fermion Problem; Moiré Fractional Chern Insulators* ♦ **Andrei Bernevig**, Princeton University ♦ *Introduction to Quantum Sensing with NV Centers in Diamond; Measuring Dynamics and Correlations with Nanoscale Quantum Sensors* ♦ **Nathalie de Leon**, Princeton University ♦ *Exploring the Magic of Twisted Trilayer Graphene; Tuning Correlations, Topology, and Magnetism in Semiconductor Moiré Materials* ♦ **Ben Feldman**, Stanford University ♦ *Electron Correlation and Topology in Crystalline Graphene: I & II* ♦ **Long Ju**, Massachusetts Institute of Technology ♦ *Orbital Geometric Frustration in Moiré Systems; Fractionalization Due to Orbital Geometric Frustration* ♦ **Eun-Ah Kim**, Cornell University ♦ *Scale and Conformal Invariance in Sigma Models* ♦ **Edward Witten**, Professor Emeritus, School of Natural Sciences ♦ *Unconventional Quantum Criticality in Monolayer WTe_2* ♦ **Sanfeng Wu**, Princeton University ♦ *Flat Band Physics in Twisted Transition Metal Dichalcogenides Bilayers* ♦ **Di Xiao**, University of Washington ♦ *Magnetism, Interaction, and Topology in Twisted Transition Metal Dichalcogenides: I & II* ♦ **Xiaodong Xu**, University of Washington ♦ *Flat Bands in Quantum Materials* ♦ **Ming Yi**, Rice University ♦ *Intervalley Coherence — A Theory of Everything (Moiré): I & II* ♦ **Mike Zaletel**, University of California, Berkeley

August 19–30

Focus Weeks Workshop on Quantum Information and Physics ♦ *Physics of Topological Codes* ♦ **Meng Cheng**, Yale University ♦ *Entanglement-Based Probes of Topological Phases* ♦ **Michael Levin**, The University of Chicago ♦ *Experiments in Quantum Information* ♦ **Mikhail Lukin**, Harvard University ♦ *Pseudorandom Unitaries and Compressed Purifications* ♦ **Fermi Ma**, University of California, Berkeley ♦ *The Page Curve from Gravity* ♦ **Geoff Penington**, Junior Visiting Professor (2021–22), School of Natural Sciences; University of California, Berkeley ♦ *Quantum Information Theory* ♦ **Norbert Schuch**, Universität Wien ♦ *Chaos and Gravity* ♦ **Douglas Stanford**, Member (2014–19), School of Natural Sciences; Stanford University ♦ *Quantum Algorithms* ♦ **Ewin Tang**, University of California, Berkeley ♦ *Entanglement and Phases of Matter* ♦ **Frank Verstraete**, University of Cambridge ♦ *Unitary Complexity and Cryptography* ♦ **Henry Yuen**, Columbia University ♦ *Quantum Simulation* ♦ **Andrew Childs**, University of

Maryland ♦ *Incompressibility of Random Walks on Unitary Group* ♦ **Jeongwan Haah**, Microsoft Research ♦ *Holography and Quantum Information* ♦ **Daniel Harlow**, Massachusetts Institute of Technology ♦ *Shallow Quantum Circuits* ♦ **Hsin-Yuan Robert Huang**, California Institute of Technology ♦ *Complexity and Gravity* ♦ **Tamara Kohler**, Stanford University ♦ *Tensor Networks* ♦ **David Pérez-García**, Universidad Complutense de Madrid ♦ *Topological Phases and Quantum Information* ♦ **Ashvin Vishwanath**, Harvard University ♦ *The Value of Errors in Proofs* ♦ **Avi Wigderson**, Herbert H. Maass Professor, School of Mathematics

SIMONS CENTER FOR SYSTEMS BIOLOGY

December 12

Biology Seminar ♦ *Value-based memory prioritization as necessary prerequisite for spontaneous recovery of fear after extinction* ♦ **Isabel M. Berwian**, Princeton Neuroscience Institute, Princeton University

January 5

Biology Seminar ♦ *Informal Biology Seminar* ♦ **Adam Frim**, University of California, Berkeley

February 15

Biology Seminar ♦ *Informal Biology Seminar* ♦ **Samuel Cohen**, Washington University in St. Louis

February 16

Biology Seminar ♦ *Informal Biology Seminar* ♦ **Jumpei Yamagishi**, The University of Tokyo

April 4

Biology Seminar ♦ *Informal Biology Seminar* ♦ **Gautam Reddy**, Princeton University

April 9

Biology Seminar ♦ *Informal Biology Seminar* ♦ **Selmaan Chettih**, Columbia University

April 11

Biology Seminar ♦ *Informal Biology Seminar* ♦ **Junang Li**, Princeton University

April 22

Biology Seminar ♦ *Simple principles underlying complex neural responses* ♦ **Máté Lengyel**, University of Cambridge

April 24

Biology Seminar ♦ *Vector calculations in the fly brain* ♦ **Larry Abbott**, Columbia University

School of Social Science

September 15–16

Land, Debt and Infrastructure Workshop ♦ **Tim Mitchell**, Distinguished Visiting Professor (2022–23), School of Social Science; Columbia University

September 21

Film Screening + *Common Sense of the Institute for Advanced Study* + Produced by **Joan Scott**, Professor Emerita, School of Social Science + with **Ezra Scott-Henning** and **Dario Mastroianni**

September 22

Social Science Introduction Meeting and Welcome Reception

September 26

Social Science Seminar + *Platform Society* + **Alondra Nelson**, Harold F. Linder Professor, School of Social Science

Critical Theory/Critical History Works-in-Progress Writing Group + Organized by **Joan Scott**, Professor Emerita, School of Social Science

October 2

Social Science Seminar + *Climate of Uncertainty* + **Geoff Mann**, Member, School of Social Science; Simon Fraser University

October 4

Meeting of PLATFORM, the School of Social Science Theme Seminar for 2023–24, convened by **Alondra Nelson**, **Lisa Nakamura**, and **Christian Sandvig**

October 9

Social Science Seminar + *Revocability, Exception, Disqualification: Grammars of Power After Dobbs* + **Penelope Deutscher**, Member, School of Social Science; Northwestern University

October 11

Meeting of PLATFORM, the School of Social Science Theme Seminar for 2023–24, convened by **Alondra Nelson**, **Lisa Nakamura**, and **Christian Sandvig**

October 12

SSS Social Hour at Rubenstein Commons

October 14–15

Spheres of Justice at 40: Workshop + in Honor of Professor Emeritus Michael Walzer + Organized by **Toby Reiner**, Dickinson College

October 16

Social Science Seminar + *Theorizing, Locating & Analyzing Institutional Platform Power* + **David Nieborg**, Member, School of Social Science; University of Toronto

Critical Theory/Critical History Works-in-Progress Writing Group + Organized by **Joan Scott**, Professor Emerita, School of Social Science

October 18

Meeting of PLATFORM, the School of Social Science Theme Seminar for 2023–24, convened by **Alondra Nelson**, **Lisa Nakamura**, and **Christian Sandvig**

October 21

Political Economy Reading Group + Organized by **Wendy Brown**, UPS Foundation Professor, School of Social Science

October 23

Social Science Seminar + *#No Cop City and Reparative Democracy* + **Wendy Brown**, UPS Foundation Professor, School of Social Science

October 25

Meeting of PLATFORM, the School of Social Science Theme Seminar for 2023–24, convened by **Alondra Nelson**, **Lisa Nakamura**, and **Christian Sandvig**

October 30

Social Science Seminar + *“Playing the Migrant” in Humanitarian Media Platforms* + **Juan Llamas-Rodriguez**, Member, School of Social Science; University of Pennsylvania

Political Economy Reading Group + Organized by **Wendy Brown**, UPS Foundation Professor, School of Social Science + *The Project-State and Its Rivals: A New History of the Twentieth and Twenty-First Centuries* + by **Charles S. Maier**

November 1

Meeting of PLATFORM, the School of Social Science Theme Seminar for 2023–24, convened by **Alondra Nelson**, **Lisa Nakamura**, and **Christian Sandvig**

November 2

SSS Social Hour at Rubenstein Commons

November 6

Social Science Seminar + *On Exile and Postcolonial Nationhood* + **Natacha Nsabimana**, Wolfensohn Family Member, School of Social Science; The University of Chicago

Critical Theory/Critical History Works-in-Progress Writing Group + Organized by **Joan Scott**, Professor Emerita, School of Social Science

November 9

Film Screening and Discussion + *Deadlocked* (Episodes 1 and 2) + Directed and produced by **Dawn Porter** + Organized by **Penelope Deutscher**, Member, School of Social Science; Northwestern University

Film Screening + *Common Sense of the Institute for Advanced Study* + Produced by **Joan Scott**, Professor Emerita, School of Social Science + with **Ezra Scott-Henning** and **Dario Mastroianni**

November 13

Social Science Seminar + *The Queen of Myspace: Tila Tequila and Asian American Social Media Infrastructure* + **Lisa Nakamura**, Visiting Professor, School of Social Science; University of Michigan

Political Economy Reading Group + Organized by **Wendy Brown**, UPS Foundation Professor, School of Social Science

November 15

Meeting of PLATFORM, the School of Social Science Theme Seminar for 2023–24, convened by **Alondra Nelson**, **Lisa Nakamura**, and **Christian Sandvig**

November 16

Film Screening and Discussion + *Deadlocked* (Episodes 3 and 4) + Directed and produced by **Dawn Porter** + Organized by **Penelope Deutscher**, Member, School of Social Science; Northwestern University

November 20

Social Science Seminar + *The State as Platform in Post-biometrics India* + **Kriti Kapila**, Member, School of Social Science; King's College London

November 28

Social Science Seminar + *The Astors, Elite New York, and Historical Ethnography* + **Shamus Khan**, Friends of the Institute for Advanced Study Member, School of Social Science; Princeton University

November 29

Meeting of PLATFORM, the School of Social Science Theme Seminar for 2023–24, convened by **Alondra Nelson**, **Lisa Nakamura**, and **Christian Sandvig**

December 4

Social Science Seminar + *Caribbean Polis: Recalling C.L.R. James on Decolonization, International Socialism, and the Good Life* + **Gary Wilder**, Member, School of Social Science; The City University of New York Graduate Center

December 6

Political Economy Reading Group + Organized by **Wendy Brown**, UPS Foundation Professor, School of Social Science

December 11

Social Science Seminar + *Digital Freud: Four Contexts, Three Combinations, Two Foci, One Model* + **Pablo Boczkowski**, Member, School of Social Science; Northwestern University

Critical Theory/Critical History Works-in-Progress Writing Group + Organized by **Joan Scott**, Professor Emerita, School of Social Science

January 16

Political Economy Reading Group + Organized by **Wendy Brown**, UPS Foundation Professor, School of Social Science + *Counterrevolution: Extravagance and Austerity in Public Finance* + by **Melinda Cooper**

January 22

Social Science Seminar ♦ *Is Machine Learning a New Style of Ignorance? Promiscuous Association and Optimization in Media Platforms and Beyond* ♦ **Christian Sandvig**, Visiting Professor, School of Social Science; University of Michigan

January 29

Social Science Seminar ♦ *Psychopolitics* ♦ **Zahid Chaudhary**, Member, School of Social Science; Princeton University

January 30

Social Science Writing Group ♦ Organized by **Didier Fassin**, James D. Wolfensohn Professor, School of Social Science ♦ *Captive Passages: Empire, Race, and Law in the Global War on Terror* ♦ by **Darryl Li**, Member, School of Social Science; The University of Chicago ♦ *Why Do LGBTQIA Students Experience Higher Rates of Sexual Assault? Minority Stress, Structural Stigma, and the Price of Queer Solidarity* ♦ by **Shamus Khan**, Friends of the Institute for Advanced Study Member, School of Social Science; Princeton University

February 5

Social Science Seminar ♦ *Algorithmic Underground* ♦ **Malte Ziewitz**, Member, School of Social Science; Cornell University

Critical Theory/Critical History Works-in-Progress Writing Group ♦ Organized by **Joan Scott**, Professor Emerita, School of Social Science

Political Economy Reading Group ♦ Organized by **Wendy Brown**, UPS Foundation Professor, School of Social Science ♦ *The (European) Derisking State* ♦ by **Daniela Gabor**, Roger W. Ferguson, Jr. and Annette L. Nazareth Member, School of Social Science; University of the West of England

February 7

Meeting of PLATFORM, the School of Social Science Theme Seminar for 2023–24, convened by **Alondra Nelson**, **Lisa Nakamura**, and **Christian Sandvig**

February 12

Social Science Seminar ♦ *Chemistry or Harassment? Relational (Mis)matches in Orientations Toward Work in Pornography Production* ♦ **Hannah Wohl**, AMIAS Member, School of Social Science; University of California, Santa Barbara

Critical Theory/Critical History Works-in-Progress Writing Group ♦ Organized by **Joan Scott**, Professor Emerita, School of Social Science

February 13

School of Social Science Writing Group ♦ Organized by **Didier Fassin**, James D. Wolfensohn Professor, School of Social Science ♦ *Swarm* ♦ by **Javier Lezaun**, Visitor, School of Social Science; University of Oxford ♦

Performance Anxiety ♦ by **Hannah Wohl**, AMIAS Member, School of Social Science; University of California, Santa Barbara

February 14

Meeting of PLATFORM, the School of Social Science Theme Seminar for 2023–24, convened by **Alondra Nelson**, **Lisa Nakamura**, and **Christian Sandvig**

February 20

Social Science Seminar ♦ *Divine Disobedience and the Reimagination of Morality* ♦ **Nadia Marzouki**, Member, School of Social Science; Sciences Po, Paris/CNRS

February 21

Meeting of PLATFORM, the School of Social Science Theme Seminar for 2023–24, convened by **Alondra Nelson**, **Lisa Nakamura**, and **Christian Sandvig**

February 26

Social Science Seminar ♦ *The “Good Bad” Job: How the Gig Economy Makes Work Sticky* ♦ **Lindsey Cameron**, Member, School of Social Science; University of Pennsylvania

Critical Theory/Critical History Works-in-Progress Writing Group ♦ Organized by **Joan Scott**, Professor Emerita, School of Social Science

February 27

Discussion group ♦ *Techno-legal Solutionism: Regulating Children’s Online Safety in the United States* ♦ and ♦ *Resisting Deterministic Thinking*, ♦ Presented by **Danah Boyd**, Georgetown University

Social Science Writing Group ♦ Organized by **Didier Fassin**, James D. Wolfensohn Professor, School of Social Science ♦ *On Exile and Postcolonial Nationhood in Rwanda and Burundi* ♦ by **Natacha Nsabimana**, Wolfensohn Family Member, School of Social Science; The University of Chicago ♦ *The Dryness of Dry Labs and the Frictions of Global Science* ♦ by **Kriti Kapila**, Member, School of Social Science; King’s College London

February 28

Meeting of PLATFORM, the School of Social Science Theme Seminar for 2023–24, convened by **Alondra Nelson**, **Lisa Nakamura**, and **Christian Sandvig**

March 1

History of Science Lecture Series ♦ *The Computerized Welfare Covenant: Recoding Liberal Citizenship in the Late Twentieth Century U.S* ♦ **Marc Aidinoff**, Research Associate, School of Social Science

March 4

Social Science Seminar ♦ *“The Wall Street Consensus”: the Return of the Interventionist State* ♦ **Daniela Gabor**, Roger W. Ferguson, Jr. and Annette L. Nazareth Member, School of Social Science; University of the West of England

Critical Theory/Critical History Works-in-Progress Writing Group ♦ Organized by **Joan Scott**, Professor Emerita, School of Social Science

Political Economy Reading Group ♦ Organized by **Wendy Brown**, UPS Foundation Professor, School of Social Science ♦ *The Fall and Rise of American Finance: from J.P. Morgan to Blackrock* ♦ by **Scott Aquanno**, University of Ontario Institute of Technology, and **Stephen Maher**

March 6

Meeting of PLATFORM, the School of Social Science Theme Seminar for 2023–24, convened by **Alondra Nelson**, **Lisa Nakamura**, and **Christian Sandvig**

March 7

Workshop ♦ *The Freedom to Stay* ♦ with author **Eva von Redecker** ♦ Organized by **Wendy Brown**, UPS Foundation Professor, School of Social Science

March 8

Social Science Writing Group ♦ Organized by **Didier Fassin**, James D. Wolfensohn Professor, School of Social Science ♦ *Too Close for Comfort: Working Across a Generational Divide in Social Work Supervision in the West Bank, Palestine* ♦ **David Byers**, Visitor, School of Social Science; Bryn Mawr College ♦ *Of Peepholes and People. The Moral and Political Life of Things in Prison* ♦ by **Didier Fassin**

March 11

Social Science Seminar ♦ *Ever-Recommend Exile. Ethnography and Geopolitics* ♦ **Didier Fassin**, James D. Wolfensohn Professor, School of Social Science

Critical Theory/Critical History Works-in-Progress Writing Group ♦ Organized by **Joan Scott**, Professor Emerita, School of Social Science

March 18

Social Science Seminar, ♦ *The Humble Brick: Mosquito Vectors, Designing with Air and the Incremental Home* ♦ **Ann Kelly**, Member, School of Social Science; King’s College London

Critical Theory/Critical History Works-in-Progress Writing Group ♦ Organized by **Joan Scott**, Professor Emerita, School of Social Science

March 20

Meeting of PLATFORM, the School of Social Science Theme Seminar for 2023–24, convened by **Alondra Nelson**, **Lisa Nakamura**, and **Christian Sandvig**

April 1

Social Science Seminar ♦ *Spotting Crime, Health, Heat: Operational Banalities of Administrative Surveillance* ♦ **Shiloh Krupar**, Member, School of Social Science; Georgetown University

Critical Theory/Critical History Works-in-Progress Writing Group ♦ Organized by **Joan Scott**, Professor Emerita, School of Social Science

April 2

Social Science Writing Group ♦ Organized by **Didier Fassin**, James D. Wolfensohn Professor, School of Social Science ♦ *An Anti-Pastoral Moral Revolution? The Poor People's Campaign: A National Call for Moral Revival* ♦ **Nadia Marzouki**, Member, School of Social Science; Sciences Po, Paris/CNRS

April 8

Social Science Seminar, ♦ *Transatlantic Thought: Colonialism, Concatenations, Misplacements* ♦ **Antonio Vázquez-Arroyo**, Member, School of Social Science; Rutgers, The State University of New Jersey

Critical Theory/Critical History Works-in-Progress Writing Group ♦ Organized by **Joan Scott**, Professor Emerita, School of Social Science

April 9

Public Policy Lecture ♦ “*This isn’t a weapon, it is a new world*”—*three things* **Oppenheimer** tells us about tech ♦ **Margrethe Vestager**, Executive Vice President of the European Commission for A Europe Fit for the Digital Age

April 10

Meeting of PLATFORM, the School of Social Science Theme Seminar for 2023–24, convened by **Alondra Nelson**, **Lisa Nakamura**, and **Christian Sandvig**

SSS Social Hour

April 11

Book workshop ♦ *Counterrevolution: Extravagance and Austerity in Public Finance* ♦ **Melinda Cooper**, The Australian National University

April 12

Panel Discussion ♦ *Family & Capitalism* ♦ **Melinda Cooper**, The Australian National University ♦ **Alyssa Battistoni**, Member (2022–23), School of Social Science; Barnard College ♦ **Robyn Marasco**, Member (2021–22), School of Social Science; The City University of New York ♦ **Shamus Khan**, Friends of the Institute for Advanced Study

Member, School of Social Science; Princeton University ♦ **Moira Weigel**, Member, School of Social Science; Northeastern University

April 15

Social Science Seminar ♦ *Trusted Strangers: Domestic Work, Data & the Morals of Online Markets* ♦ **Julia Ticona**, Member, School of Social Science; University of Pennsylvania

Critical Theory/Critical History Works-in-Progress Writing Group ♦ Organized by **Joan Scott**, Professor Emerita, School of Social Science

April 17

Meeting of PLATFORM, the School of Social Science Theme Seminar for 2023–24, convened by **Alondra Nelson**, **Lisa Nakamura**, and **Christian Sandvig**

April 22

Social Science Seminar ♦ *Captivity in the Forever (and Foregone) War* ♦ **Darryl Li**, Member, School of Social Science; The University of Chicago

Critical Theory/Critical History Works-in-Progress Writing Group ♦ Organized by **Joan Scott**, Professor Emerita, School of Social Science

April 23

Political Economy Reading Group ♦ Organized by **Wendy Brown**, UPS Foundation Professor, School of Social Science ♦ *The Computerized Welfare Covenant: Recoding Liberal Citizenship in the Late Twentieth Century U.S.* ♦ **Marc Aidinoff**, Research Associate, School of Social Science

April 29

Social Science Seminar ♦ *Third Party: Amazon's Marketplace and the Making of Platform Worlds* ♦ **Moira Weigel**, Member, School of Social Science; Northeastern University

Critical Theory/Critical History Works-in-Progress Writing Group ♦ Organized by **Joan Scott**, Professor Emerita, School of Social Science

May 1

Meeting of PLATFORM, the School of Social Science Theme Seminar for 2023–24, convened by **Alondra Nelson**, **Lisa Nakamura**, and **Christian Sandvig**

Book Discussion ♦ *Down the Rabbit Hole: The Intellectual Journey of Violent Racists, Conspiracy Theorists, QAnons, Flat Earthers, and Other Americans on the Fringe* ♦ **Alice Marwick**, The University of North Carolina at Chapel Hill ♦ with the author and PLATFORM Members ♦ Organized by **David B. Nieborg**, Member, School of Social Science; University of Toronto

May 10

Workshop ♦ *Animal Laboratory Worlds in Transition* ♦ Organized by **Ann Kelly**, Member, School of Social Science; King's College London in collaboration with the Department of Anthropology at Princeton University ♦ **Ann Kelly** ♦ **Asif Ghazanfar**, Department of Psychology at Princeton University ♦ **Brad Bolman**, Founder's Circle Member, School of Historical Studies ♦ **Lisa Jones-Engel**, PETA ♦ **Beth Greenhough**, University of Oxford ♦ **Agustin Fuentes**, Department of Anthropology at Princeton University ♦ **Malene Friis Hansen**, Department of Anthropology at Princeton University

May 26–June 1

Workshop ♦ *Intensive collaborative sessions to produce a book manuscript on the topic of AI auditing* ♦ Organized by **Christian Sandvig**, Visiting Professor, School of Social Science; University of Michigan ♦ with **Alondra Nelson**, Harold F. Linder Professor, School of Social Science ♦ **Marc Aidinoff**, Research Associate, School of Social Science ♦ **Lena Armstrong**, Harvard University ♦ **Esha Bhandari**, American Civil Liberties Union ♦ **Ellery Biddle**, journalist ♦ **Motahhare Eslami**, Carnegie Mellon University ♦ **Karrie Karahalios**, University of Illinois at Urbana-Champaign ♦ **Nate Matias**, Cornell University ♦ **Danaë Metaxa**, University of Pennsylvania ♦ **Kristen Vaccaro**, University of California, San Diego

Digital Scholarship Conversations @IAS

November 10

Digital Scholarship Conversations @IAS and Near Eastern Studies ♦ *Building an Electronic Syriac Corpus using OCR: Preserving and Digitizing Cultural Heritage—Launch of Simtho III* ♦ Sponsored by **Sabine Schmidtke**, Professor, School of Historical Studies ♦ **Maria Mercedes Tuya**, Digital Scholarship @IAS ♦ **George A. Kiraz**, Senior Research Associate, School of Historical Studies; Beth Mardutho: The Syriac Institute

December 6

Digital Scholarship Conversations @IAS and the Mathematics and Natural Sciences Library ♦ *ADS is transitioning to SciX: What it means for you* ♦ **Donna Thompson**, Harvard-Smithsonian Center for Astrophysics

February 16

Near Eastern Studies and Digital Scholarship @IAS joint lecture ♦ *DAMAST—an interactive research environment* ♦ **Dorothea Weltecke**, Institut für Geschichtswissenschaften, Humboldt-Universität zu Berlin ♦ **Florian Jäckel**, Institut für Geschichtswissenschaften, Humboldt-Universität zu Berlin

March 22

NES Workshop ♦ *Scholarly Digital Editions of Arabic-Script Texts* ♦ Conveners: **Adam Mestyan**, Patricia Crone Member, School of Historical Studies; Duke University ♦ **Sabine Schmidtke**, Professor, School of Historical Studies ♦ **María Mercedes Tuya**, Digital Scholarship @IAS

Director's Office Events

September 29

Welcome Talk and Reception ♦ **David Nirenberg**, Director and Leon Levy Professor

October 27

Director's Conversation ♦ *Foundations in Research and Education: Past, Present, and Future* ♦ **David Nirenberg**, Director and Leon Levy Professor ♦ **Katherine E. Fleming**, J. Paul Getty Trust ♦ **Louise Richardson**, Carnegie Corporation of New York

Trustee Dinner with Faculty Conversation

November 10

AMIAS Board Meeting

March 20

Faculty Mixer at Olden Farm ♦ **Derek Bermel**, Artist in Residence (2009–13)

April 2

Staff Town Hall

April 26

Director's Conversation ♦ *Dance: Past, Present and Future* ♦ **David Nirenberg**, Director and Leon Levy Professor ♦ **Jennifer Homans**, New York University ♦ **Tamara Rojo**, San Francisco Ballet

Dinner at Olden Farm with Jennifer Homans and Tamara Rojo

May 3

Director's Conversation ♦ *The Power of Song: Creation, Embodiment, Effect* ♦ **David Nirenberg**, Director and Leon Levy Professor ♦ **Joyce DiDonato**, mezzo-soprano ♦ **Justina Lee**, The Julliard School ♦ **Jeysla Rosario Santos**, Cincinnati Opera

May 17

Founders Day Celebration ♦ *Exhibits from the IAS Libraries and Archives Center* ♦ IAS Faculty Conversation ♦ *Institute Computations* ♦ **Helmut Hofer**, Hermann Weyl Professor, School of Mathematics ♦ **Myles Jackson**, Albers-Schönberg Professor in the History of Science, School of Historical Studies ♦ **Alondra Nelson**, Harold F. Linder Professor, School of Social Science ♦ **Avi Wigderson**, Herbert H. Maass Professor, School of Mathematics ♦ moderated by **David Nirenberg**, Director and Leon Levy Professor

Community Events

September 13

Photo Day

September 14

Member Housing Party

Staff Happy Hour ♦ hosted by **David**

Nirenberg, Director and Leon Levy Professor

September 22

Friends Executive Committee Meet and Greet

September 23

Faculty Welcome Dinner

October 6

New Members Happy Hour ♦ **Righteous Jolly**

Friends Welcome Reception

October 11

Network Security Seminar and Happy Hour

October 12

Sparkling Wine Tasting

October 13

Friends Talk ♦ *TropiColliders* ♦ **Nima Arkani-Hamed**, Professor, School of Natural Sciences

Happy Hour with Live Music ♦ **Larry Tamanini**

October 18

Oktoberfest Member Supper

October 20

Happy Hour with Trivia ♦ **Righteous Jolly**

October 21

Adults and Kids Paint Class

October 24

Play Reading ♦ *Mousetrap*

October 25

Pumpkin Painting

October 28

Member Tour of Princeton University Public Sculptures

Rugby World Cup Watch Party

October 31

Halloween Party

November 2

IAS Community Stargazing

November 3

Happy Hour and Comedy Night ♦ **Righteous Jolly** ♦ **Dan Clark** ♦ **Spark Tabor**

November 4

Institute Woods Walk and Geocaching

November 7

Book Talk ♦ *The Man from the Future: The Visionary Ideas of John von Neumann* ♦ **Ananyo Bhattacharya**, London Institute for Mathematical Sciences

Faculty Dinner

November 8

Bharatanatyam Classical Dance Performance ♦ *Padmavati: An Avatar* ♦ **Bala Devi Chandrasekhar**

Happy Hour with a Member ♦ **Matteo Parisi**, Member, School of Natural Sciences

November 10

Friends Forum Talk ♦ *A Pear, a Sphere, a Maze, a Flash, and the Incinerated Wings on the Donkey: Dosso Dossi's Meditation on the Dangers of Hubris* ♦ **Maria H. Loh**, Professor, School of Historical Studies

Happy Hour with Bingo ♦ **Righteous Jolly**

November 15

Princeton Symphony Orchestra Concert ♦ *Music of the Indian Subcontinent* ♦ **William Harvey**, violin; **Dibyarka Chatterjee**, tabla; **Snehash Nag**, sitar

November 17

Happy Hour with Trivia ♦ **Righteous Jolly**

November 23

Trinity Turkey Trot

November 29

Film Screening ♦ *Dawn to Despair* ♦ **Jeffrey Gould**, Distinguished Visiting Professor, School of Historical Studies; writer ♦ **Ernesto Jara Vargas**, director

December 1

Friends Culture and Cuisine ♦ *Shakespeare's Kitchen: Feasting in the Renaissance* ♦ **Francine Segan**, food historian

Happy Hour with Live Music ♦ **Righteous Jolly** ♦ **Greg McGarvey**

December 2

Film Screening ♦ *Oppenheimer*

December 5

Play Reading ♦ *The History Boys*

December 8

Friends Holiday Party

December 9

Faculty and Members Holiday Party

December 13

Children's Holiday Party

December 21

Staff Holiday Party

January 17

New Member Welcome Supper

January 23

Play Reading ♦ *Oslo*

January 25

Friends Executive Committee Meeting

January 26

Happy Hour with Trivia ♦ **Righteous Jolly**

February 7

Teatime Magic Show ♦ **Tadashi Tokeida**,
Stanford University

Public Lecture ♦ *Surprises from rubbing the wrong way* ♦ **Tadashi Tokeida**, Stanford University

February 10

National Museum of Mathematics Museum Bus Trip

February 15

Film Screening ♦ *Journeys of Black Mathematicians: Forging Resilience*

February 21

International Pot Luck Member Supper

February 22

The Principles of Hip Hop: Peace, Love, Unity, and Having Fun

February 23

Happy Hour with Trivia ♦ **Righteous Jolly**

February 24

Midwinter Party

February 27

Play Reading ♦ *Leopoldstadt*

February 29

Film Screening ♦ *Common Sense of the Institute for Advanced Study* ♦ **Joan Scott**, Professor Emerita, School of Social Science

Friends Talk ♦ *Commerce and Connection in the Global Middle Ages* ♦ **Sarah Davis-Secord**, Member, School of Historical Studies

March 8

International Women's Day Film Screening ♦ *Four Daughters*

Trivia Night ♦ **Righteous Jolly**

March 10

Oscars Watch Party

March 14

Lecture Recital ♦ *From Text to Song: Schubert as Translator* ♦ **Brian Zeger**, The Julliard School ♦ **Jared Werlein**

March 15

St. Patrick's Day Buffet Dinner with Live Music ♦ **Righteous Jolly**

March 20

Teatime Performance ♦ **Ensemble 132**

March 26

Play Reading ♦ *Pride and Prejudice*

March 29

IAS Egg Hunt

April 3

Friends Talk ♦ *LAB DOG: What Global Science Owes American Beagles* ♦ **Brad Bolman**, Founders' Circle Member, School of Historical Studies

April 8

Solar Eclipse Viewing at Teatime

April 10

Live Music Meditation ♦ **Matthew Weiner**, Princeton University ♦ **Jonathan Biss**

April 18

Friends Executive Committee Meeting

April 19

Happy Hour with Trivia ♦ **Righteous Jolly**
April 24

Community Lunch at Rubenstein Commons

May 10

Book Talk ♦ *The Counterfeit Countess* ♦ **Elizabeth Barry White**

Happy Hour with Music Trivia ♦ **Righteous Jolly**

May 22

New Friends Reception

May 30

Documentary Screening ♦ *Reel Rock 18*

May 31

Staff Picnic

June 6

Traditional Sufi Music ♦ *Khusro's Qawwali* ♦ **Ustaad Naseeruddin Saami** ♦ **Saami Brothers**

June 24

The Drawing Center Bus Trip