

RECORD OF EVENTS

School of Historical Studies

ANCIENT STUDIES

October 5

Ancient Studies Seminar + *Περὶ ὄνου ψωλῆς: performing obscenity in the Roman East* + **Angelos Chaniotis**, Professor, School of Historical Studies

October 12

Ancient Studies Seminar + *The new lead tablet from Tongres: curse tablet or house amulet?* + **Christopher Faraone**, University of Chicago; Member, School of Historical Studies

October 26

Ancient Studies Seminar + *Crime and punishment in Epidaurus: the case of the ivory carver Pasiteles* + **Sebastian Prignitz** and **Gerhard Thür**, Academy of Vienna

November 9

Ancient Studies Seminar + *Dance as history in the Roman provinces* + **Felipe Rojas**, Brown University

November 16

Ancient Studies Seminar + *Aristotelian Revision and Editorial Error in Nicomachean Ethics VI 2* + **Samuel Baker**, University of South Alabama; Member, School of Historical Studies

December 7

Ancient Studies Seminar + *Two early Hellenistic honorary decrees from Dion* + **Manolis Voutiras**, University of Thessaloniki

February 1

Ancient Studies Seminar + *Horror Saltus: camouflaging religious change (mid-2nd to early 6th century C.E.)* + **Angelos Chaniotis**, Professor, School of Historical Studies

February 5

Ancient Studies Seminar + *A look at Socrates' divine sign* + **Marjana Rici**, University of Belgrade

February 22

Ancient Studies Seminar + *Tokens of dust, potions of lamp oil: extended agency of images from the Roman Imperial statue to the magical icon* + **Esen Ogus**, Research Associate, School of Historical Studies

March 1

Ancient Studies Seminar + *Caesar in the Bellum Gallicum* + **David Potter**, University of Michigan; Member, School of Historical Studies

March 4

Long Epigraphic Friday, Day 1 + *News from Kallias (IG I³ 52)* + **Sebastian Prignitz**, Academy of Vienna + *A new edition of the later Tribute lists (IG I³ 281–290)* + **Helmut Lotz**, Academy of Vienna + *New Athenian inscriptions from early travellers* + **Robert K. Pitt**, College Year in Athens + *Dating problems in Lyttos (Crete): new and old inscriptions* + **Georgios Tsolakis**, Institute for the Study of the Ancient World, New York University + *An inscription from Hyllarima* + **Marco Zangheri**, University of Rome, La Sapienza + *The liability of the architect Perillos from juristic and archaeological perspective ('Stele of the Punishment' from Epidaurus, lines 51–55)* + **Sebastian Prignitz** and **Gerhard Thür**, Academy of Vienna + *Μακαριῆσαι: social ritual and honours at Mesambria* + **John Ma**, Columbia University + *From an epitaph to a dedication to Herakles: A new reading of SEG XXX 593 (Serres, Eastern Macedonia)* + **Cédric Brélaz**, University of Fribourg; Member, School of Historical Studies

March 5

Long Epigraphic Friday, Day 2 + *A woman who became Hekate: an inscription from Mesambria* + **Dobrinka Chiekova**, The College of New Jersey + *On a few non-Halikarnassian 'Halikarnassian' inscriptions* + **Mat Carbon**, Queen's University, Kingston + *A new opisthographic stele from Smyrna (?) with a Greek and a Roman inscription* + **Marjana Rici**, University of Belgrade + *An epigraphical potpourri: An aretology of Theos Hypsistos from Daskyleion and miracles from Epidaurus and Lydia* + **Angelos Chaniotis**, Professor, School of Historical Studies

March 8

Ancient Studies Seminar + *Epigraphy, iconography, and multilingualism in 5th and 4th century B.C.E. South Italy* + **Sara Kaczko**, University of Rome, La Sapienza

March 15

Ancient Studies Seminar + *Fiction (and reality) of demokratia in Greek cities under Roman imperial rule* + **Cédric Brélaz**, University of Fribourg; Member, School of Historical Studies

March 22

Ancient Studies Seminar + *Pliny the Elder's painters and painting's nature* + **Michael Koortbojian**, Princeton University

March 29

Ancient Studies Seminar + *Prosopographical puzzles: The families of the Emperors Valerian and Gallienus* + **Hartwin Brandt**, University of Bamberg

April 5

Ancient Studies Seminar + *The so-called phylax vases and their users: images of mocking the divine for whose eyes?* + **Eleftheria Pappa**, Member, School of Historical Studies

EARLY MODERN EUROPE

October 12

Early Modern Europe Seminar + *The Living Line: Origins and Afterlives of the Soviet Queue* + **Jillian Porter**, University of Colorado; Member, School of Historical Studies

October 19

Early Modern Europe Seminar + *The Contentious Archive* + **Asheesh Kapur Siddique**, University of Massachusetts; Member, School of Historical Studies

October 26

Early Modern Europe Seminar + *Bhajans of Liberties: Songs as a Method of Critical Dialogue* + **Ramnarayan Singh Rawat**, University of Delaware; Member, School of Historical Studies

November 2

Early Modern Europe Seminar + *'Untouchability' and Transnational Politics in Twentieth-Century Korea* + **Diana Kim**, Georgetown University; Member, School of Historical Studies

November 9

Early Modern Europe Seminar + *Religious Republics in Seville, 1248–1502* + **Karen Graubart**, University of Notre Dame; Member, School of Historical Studies

November 16

Early Modern Europe Seminar + *Investigating the Executioners of the Saint Bartholomew's Day Massacre (France, 1572)* + **Jérémie Foa**, Aix-Marseille Université; Member, School of Historical Studies

November 23

Early Modern Europe Seminar + *On Laudianism: Piety, Polemic, and Politics during the Personal Rule of Charles I* + **Peter G. Lake**, Vanderbilt University; Member, School of Historical Studies

March 1

Early Modern Europe Seminar + *The Auspicious Rise of the Seka: Reimagining the Islamic Conquest of Bengal* + **Ayesha A. Irani**, University of Massachusetts Boston; Member, School of Historical Studies

March 8

Early Modern Europe Seminar + *An Eighteenth-Century Gift in the Era of the Atlantic Slave Trade* + **Ana Lucia Araujo**, Howard University; Member, School of Historical Studies

March 15

Early Modern Europe Seminar + *The Credit Nexus* + **Francesca Trivellato**, Andrew W. Mellon Professor, School of Historical Studies

March 22

Early Modern Europe Seminar + *Mussolini's Cesare: Roman History as Italy's Present and Future* + **Patricia Gaborik**, Università della Calabria; Member, School of Historical Studies

April 5

Early Modern Europe Seminar + *Niccolò Machiavelli* + **Gabriele Pedullà**, Università di Roma Tre; Visitor, School of Historical Studies

April 12

Early Modern Europe Seminar + *The Experience of the Archive: Knowledge and the Making of the Early Modern British Empire* + **Asheesh Kapur Siddique**, University of Massachusetts; Member, School of Historical Studies

April 19

Early Modern Europe Seminar + *Cheaters in a Moral Economy: Commercial Deceit in England, ca. 1200–1640* + **Emily Kadens**, Northwestern University; Member, School of Historical Studies

April 26

Early Modern Europe Seminar + *Swami Achutanand: Mofussil Activist and Cosmopolitan Intellectual* + **Ramnarayan Singh Rawat**, University of Delaware; Member, School of Historical Studies

EAST ASIAN STUDIES

October 4

East Asian Seminar + *Post-imperial Reckoning: Law, Redress, Reconciliation* + **Yukiko Koga**, Yale University; Member, School of Historical Studies

October 18

East Asian Seminar + *Caste discrimination ("untouchability") and transnational politics in 20th century Korea* + **Diana Kim**, Georgetown University; Member, School of Historical Studies

November 8

East Asian Seminar + *The Xianbei in their Historical Setting* + **Scott Pearce**, Western Washington University; Member, School of Historical Studies

November 15

East Asian Seminar + *Japan, the United States and the Enclosure of the North Pacific* + **Sayuri Guthrie Shimizu**, Rice University; Member, School of Historical Studies

November 22

East Asian Seminar + *The Human Frontier: Overseas Chinese and the Making of Modern China* + **Adele Carrai**, NYU Shanghai

December 6

East Asian Seminar + *How Buddhism Spread in Ancient Japan: Provincial Temple Construction and Social Networks, 650–850 C.E.* + **Bryan Lowe**, Princeton University

December 13

East Asian Seminar + *The Afterlife of a Painting: Qingming Shanghe, 12th to 16th Century* + **Cheng-hua Wang**, Princeton University

January 24

East Asian Seminar + *From Conflict to Mutual Compatibility: The Relationship between Traditional Sheyi (社邑) and Buddhism in Medieval China* + **Hao Chunwen**, Capital Normal University, Beijing, China; Member, School of Historical Studies

January 31

East Asian Seminar + *Sino-Soviet Friendship and the Uyghur National Project* + **Joshua Freeman**, Princeton University

February 14

East Asian Seminar + *Business Associationism and State Protectionism: The Case of the Kalimpong Tibetan Traders' Association* + **Lucia Galli**, École pratique des hautes études; Member, School of Historical Studies

February 28

East Asian Seminar + *The Technology of Government and Institutions: Comparative Perspectives on the Development of Royal and Imperial Administrations in Early China* + **Li Feng**, Columbia University; Member, School of Historical Studies

March 7

East Asian Seminar + *Sending the Alien Monks Back to the Marchlands: A Forgotten Nationalization of Buddhism in Tang China* + **Antonello Palumbo**, Yale University

April 4

East Asian Seminar + *The Clinical Encounter and Medical Case Records in Chinese Medicine, 1100–1350* + **Asaf Goldschmidt**, Tel Aviv University; Member, School of Historical Studies

April 11

East Asian Seminar + *Memorializing Protests in Early Modern Japan* + **Miura Takashi**, University of Arizona; Member, School of Historical Studies

April 29

Roger E. Covey Distinguished Lecture in Pre-Modern China + *The Philosopher and the Khan: the Diary of the Daoist Changchun's Journey to the West* + **Stephen West**, Emeritus Foundation Professor of Chinese, Arizona State University

June 2–4

Workshop + *Climate, History and Environment on the "Great Wall" Region* + Participants: **Nicola Di Cosmo**, Luce Foundation Professor in East

Asian Studies, School of Historical Studies; **I-I Lin**, National Taiwan University; **Edward Cook**, Lamont-Doherty Earth Observatory, Columbia Climate School; **Elena Xoplaki**, Justus-Liebig-University Giessen; **Bin Wang**, University of Hawaii; **Gabriel Vecchi**, High Meadow Environmental Institute, Princeton University; **David Bello**, Washington and Lee University; **David Graff**, Kansas State University; **Yuan Chen**, Duke University; **Ruth Mostern**, University of Pittsburgh; **Yan Gao**, Duke University; **Meng Zhang**, Vanderbilt University

MEDIEVAL STUDIES

September 30

Medieval Studies Seminar + *Situatedness and Land* (Barker, "Territory as Analytic") + **Suzanne Conklin Akbari**, Professor, School of Historical Studies

October 14

Medieval Studies Seminar + *Disciplinary Situatedness* (Achi and Chaganti, "Redrawing the Borders of Medieval African Art" and Kaldellis, "Byzantium Was Not Medieval") + **Gabriel Radle**, Member, School of Historical Studies

November 4–5

Munsee Language Symposium + *LUNAAPAHKIING, HULUNIIXSUWAAKAN, LUNAAPEEWAK (Munsee Land, Munsee Language, Munsee People)* + **Karen Mosko** and **Ian McCallum**, Munsee-Delaware Nation in Ontario

November 11

Medieval Studies Seminar + *Situatedness and Race* (Ahmed, "Declarations of Whiteness" and Vernon, *The Black Middle Ages*) + **Celia Chazelle** and **Anna Wilson**, Members, School of Historical Studies

November 18

Medieval Studies Seminar + *Institutional Situatedness* (Stern, "History of the Institute for Advanced Study, 1930–1950" and Porter, "The Founding of the Institute for Advanced Study, 1930–1933") + **Caitlin Rizzo**, Shelby White and Leon Levy Archives Center

December 9

Medieval Studies Seminar + *Abbot Balsamon's Book: The Origins of Administrative Registers at Cava dei Tirreni* + **Maureen Miller**, Member, School of Historical Studies

January 20

Medieval Studies Seminar + *Sanskrit and Persian in the Court Culture of Kashmir* + **Luther Obrock**, Member, School of Historical Studies

January 27

Medieval Studies Seminar + *Gregory's Angels, Pale Custance, and the Fragility of Whiteness* + **Celia Chazelle**, Member, School of Historical Studies

February 1

Munsee Delaware Story Evening + *NEEKAAWA KIHTAACHIMUWAK WULAAKWUNUWII (This Evening They Tell Stories)* + **Karen Mosko** and **Ian McCallum**, Munsee-Delaware Nation in Ontario

February 10

Medieval Studies Seminar + *Parasocial Relationships: Petrarch, Cicero, and the Textual Self in Real Person Fanfiction* + **Anna Wilson**, Member, School of Historical Studies

February 17

Medieval Studies Seminar + *Life-cycle Rituals for Children and Adolescents in Byzantium* + **Gabriel Radle**, Member, School of Historical Studies

March 3

Medieval Studies Seminar + *The Auspicious Rise of the Seka: Reimagining the Islamic Conquest of Bengal* + **Ayesha Irani**, Member, School of Historical Studies

March 17

Medieval Studies Seminar + *Anna Yaroslavna (d. 1075/1079)* + **Talia Zajac**, Visitor, School of Historical Studies

April 14

Medieval Studies Seminar + *Saint Colette de Corbie (1381–1447)* + **Renate Blumenfeld-Kosinski**, University of Pittsburgh

NEAR/MIDDLE EASTERN AND ISLAMIC STUDIES

September 2–3

Near Eastern Studies Workshop + *Colophons in Middle Eastern Manuscripts* + Conveners: **Sabine Schmidtke**, Professor, School of Historical Studies; **George A. Kiraz**, Research Associate, School of Historical Studies; Beth Mardutho: The Syriac Institute; and Editor-in-Chief, Gorgias Press

September 16

The Author's Voice + *Sasanian Iran: A Personal View* + **Michael R. Jackson Bonner**, Canadian writer, political adviser and independent historian of Iran + Hosted by **Sabine Schmidtke**, Professor, School of Historical Studies; **George A. Kiraz**, Research Associate, School of Historical Studies; Beth Mardutho: The Syriac Institute; and Editor-in-Chief, Gorgias Press; in cooperation with **Angelos Chaniotis**, Professor, School of Historical Studies

November 5–6

International Symposium + *Prince Baysunghur, Before & After: Timurid Manuscripts in Context* + Inaugural symposium of the Persian Manuscripts Association hosted by Near Eastern Studies at the Institute for Advanced Study, celebrating the 600th anniversary of the first manuscript produced at the royal library-atelier of the Timurid Prince Baysunghur (1399–1433) in Herat

November 10

Near Eastern Studies and Digital Scholarship @IAS joint lecture + *The Study of Pre-modern Hebrew Philosophical and Scientific Terminology as a new Chapter in the Intellectual History of Europe and the Islamicate World: PESHAT in Context* + Speakers: **Giuseppe Veltri**, University of Hamburg; **Reimund Leicht**, Hebrew University of Jerusalem; **Michael Engel**, University of Hamburg; **Florian Dunklau**, University of Hamburg

November 12–13

Conference + *Ignaz Goldziher and his Correspondents: Islamic and Jewish Studies around the Turn of the Twentieth Century* + Conveners: **Sabine Schmidtke**, Professor, School of Historical Studies; **Sebastian Günther**, Georg-August-Universität Göttingen; **Kinga Dévényi**, Corvinus University of Budapest; The Oriental Collection of the Library of the Hungarian Academy of Sciences; **Hans-Jürgen Becker**, Georg-August-Universität Göttingen

December 9

The Author's Voice + *Ash'arism Encounters Avicennism: Sayf Al-Dīn Al-Āmidī (d. 631/1233) on Creation* + **Laura Hassan**, Associate Faculty Member, Faculty of Oriental Studies, University of Oxford + Hosted by **Sabine Schmidtke**, Professor, School of Historical Studies; **George A. Kiraz**, Research Associate, School of Historical Studies; Beth Mardutho: The Syriac Institute; and Editor-in-Chief, Gorgias Press; in cooperation with **Angelos Chaniotis**, Professor, School of Historical Studies

January 12

Near Eastern Studies Seminar + *Al-Suddī and his sources for rewriting the Quran* + **Joseph Witztum**, The Hebrew University of Jerusalem; Member, School of Historical Studies

February 9

Near Eastern Studies Seminar + *Unorthodox Patronage: Persian manuscript production in 15th-century Iran* + **Shiva Mihan**, Member, School of Historical Studies

February 16

Near Eastern Studies Lecture + *From Compilation to Indexing: Tracing the Practice of Early Modern Orientalist Scholarship* + **Paul Babinski**, University of Copenhagen

February 23

Near Eastern Studies Lecture + *An Ottoman Fiscal Codex and Financial Tales of 134 Women and Men* + **Ali Yaycıoğlu**, Stanford University

March 9

Near Eastern Studies Seminar + *The Auspicious Rise of the Seka: Revisiting the Islamic Conquest of Bengal* + **Ayesha A. Irani**, University of Massachusetts Boston; Member, School of Historical Studies

March 10

The Author's Voice + *Angels Hastening: The Karbalā' Dreams* + **Christopher Clohessy**, Pontifical Institute for Arabic and Islamic Studies (PISAI); Pontifical Beda College, Rome + Hosted by **Sabine Schmidtke**, Professor, School of Historical Studies; **George A. Kiraz**, Research Associate, School of Historical Studies; Beth Mardutho: The Syriac Institute; and Editor-in-Chief, Gorgias Press; in cooperation with **Angelos Chaniotis**, Professor, School of Historical Studies

March 16

Near Eastern Studies Seminar + *Reconstructing al-Suddī* + **Joseph Witztum**, The Hebrew University of Jerusalem; Member, School of Historical Studies

March 23

Near Eastern Studies Lecture + *Setting out from Mecca in 1481: About the possibly oldest extant Arabic travelogue from the Mashreq* + **Björn Bentlage**, Orientalisches Institut, Martin-Luther-Universität Halle-Wittenberg

March 29–April 1

Conference + *Power, Religion and Wisdom: Orthodoxy and Heterodoxy in al-Andalus and Beyond* + Convened by **Godefroid de Callataÿ**, Université catholique de Louvain; sponsored by **Sabine Schmidtke**, Professor, School of Historical Studies

March 30

Near Eastern Studies Seminar + *Conversion, Revolution, and State Formation in the Mountains of the Medieval Islamic World*

April 1

Near Eastern Studies, Digital Scholarship Conversations @IAS and Beth Mardutho: The Syriac Institute joint event + *Simtho: Hands-on Workshop in Syriac Corpus Search*

April 27

Near Eastern Studies and Digital Scholarship Conversations @IAS joint lecture + *The Preservation of Documentary Heritage in the MENASA Region: The Role of the QNL* + **Stephane Ipert**, Director of Distinctive Collections, Qatar National Library (QNL)

June 23

The Author's Voice + *The symbolic language of Ethiopian crosses: Explorations through form and ritual* + **Maria Evangelatou**, University of California Santa Cruz + Hosted by **Sabine Schmidtke**, Professor, School of Historical Studies; **George A. Kiraz**, Research Associate, School of Historical Studies; Beth Mardutho: The Syriac Institute; and Editor-in-Chief, Gorgias Press; in cooperation with **Angelos Chaniotis** Professor, School of Historical Studies

School of Mathematics

September 15

Joint IAS/Princeton University Number Theory Seminar + *A Uniform Bogomolov Type of Theorem for Curves Over Global Fields* + **Xinyi Yuan**, Beijing International Center for Mathematical Research

September 20

Computer Science/Discrete Mathematics Seminar I + *Expander Random Walks: A Fourier-Analytic Approach* + **Gil Cohen**, Tel Aviv University

September 21

Computer Science/Discrete Mathematics Seminar II + *Linear Spaces of Matrices* + **Avi Wigderson**, Herbert H. Maass Professor, School of Mathematics

Short Talks by Postdoctoral Members + *An Iterative Approach to Higher-Dimensional Contact Manifolds* + **Bahar Acu**, Member, School of Mathematics + *A Boundary Layer Model of Erosion* + **Dallas Albritton**, Member, School of Mathematics + *On the Spectrum and Eigenfunctions of Generic Metric Graphs* + **Lior Alon**, Member, School of Mathematics + *Effective Counting Estimates for Filling Closed Geodesics on Hyperbolic Surfaces* + **Francisco Andres Arana Herrera**, Member, School of Mathematics + *The Minimal Model Program, Singularities and Vanishing Theorems, in Positive Characteristic* + **Emelie Kerstin Arvidsson**, Member, School of Mathematics + *Urysohn Width* + **Alexey Balitskiy**, Member, School of Mathematics

September 22

Short Talks by Postdoctoral Members + *Metric Aspects in Homotopy Theory* + **Aleksandr Berdnikov**, Member, School of Mathematics + *Grothendieck's Inequality, Algorithmic Aspects and Generalizations* + **Vijay Bhattiprolu**, Member, School of Mathematics + *Invariant Measures for Nonlinear Dispersive Equations* + **Bjoern Bringmann**, Member, School of Mathematics + *Optimal Transport and Spaces with Ricci Curvature Bounded Below* + **Elia Bruè**, Member, School of Mathematics + *Trace Theorems for Metric Spaces* + **Clark W. Butler**, Member, School of Mathematics + *Representations of Affine Lie Algebras vs Quantum Groups: Fusion, Factorization and \mathbb{B}_2 Structures* + **Lin Chen**, Member, School of Mathematics

September 23

Short Talks by Postdoctoral Members + *A Glimpse of Continuous Combinatorics via Natural Quasirandomness* + **Leonardo Coregliano**, Member, School of Mathematics + *Lagrangian Cobordisms Between Enriched Knot Diagrams* + **Ipsita Datta**, Member, School of Mathematics + *Contact Orderability* + **Cedric De Groot**, Member, School of Mathematics + *On The Frontiers of Binary Codes* + **Fernando Granha Jeronimo**, Member, School of Mathematics + *Prescribing the Jacobian of Homeomorphisms* +

Andre Guerra, Member, School of Mathematics + *Nonparallel Immersions, Skew Fibrations, and Borsuk-Ulam Type Results* + **Michael Harrison**, Member, School of Mathematics

September 27

Computer Science/Discrete Mathematics Seminar I + *Superpolynomial Lower Bounds Against Low-Depth Algebraic Circuits I: An Overview* + **Srikanth Srinivasan**, Aarhus University

Short Talks by Postdoctoral Members + *An Unexpected Small Divisors Instability in General Relativity* + **Christoph Kehle**, Member, School of Mathematics + *Equivariant and Motivic Stable Homotopy Theory* + **Hana Jia Kong**, Member, School of Mathematics + *Well-Posedness for Hyperbolic Systems of Conservation Laws* + **Sam G. Krupa**, Member, School of Mathematics + *Conjecture on the Optimal Dimension for the Singular Set of Wild Ideal Fluids* + **Manh Khang Huynh**, Member, School of Mathematics + *Euler Flows with Local Energy Dissipation* + **Hyunju Kwon**, Member, School of Mathematics + *Orbit Closures of Unipotent Flows for Hyperbolic Manifold with Fuchsian Ends* + **Minju Lee**, Member, School of Mathematics + *Endoscopy for Affine Hecke Categories* + **Yau Wing Li**, Member, School of Mathematics

September 28

Computer Science/Discrete Mathematics Seminar II + *Superpolynomial Lower Bounds Against Low-Depth Algebraic Circuits II: A More Detailed Approach* + **Sebastien Tavenas**, Université Savoie Mont Blanc Chambéry + *Uniqueness Threshold for the Navier-Stokes Equations* + **Xiaoyutao Luo**, Member, School of Mathematics + *Instabilities in Fluid Mechanics and Convex Integration* + **Francisco Mengual**, Member, School of Mathematics + *A (very) Brief Look into the Restricted 3-Body Problem* + **Agustin Moreno**, Member, School of Mathematics + *When Invariants are Equivalent* + **Jean Pierre Mutanguha**, Member, School of Mathematics + *Non-conservative, Intermittent Weak Solutions of the 3D Euler Equations* + **Matthew Novack**, Member, School of Mathematics + *Directed Laplacian Matrices* + **John Peebles**, Member, School of Mathematics + *Projective Hypocoellipticity, Fisher Information and Positive Lyapunov Exponents for High-Dimensional Stochastic Differential Equations* + **Samuel Punshon Smith**, Member, School of Mathematics

September 29

Short Talks by Postdoctoral Members + *Bounded Generation, a Diophantine Approximation Approach* + **Jinbo Ren**, Member, School of Mathematics + *The Poisson Bracket Invariant: Elementary and Hard Approaches* + **Shira Tanny**, Member, School of Mathematics + *Graphs, Principal Minors, and Eigenvalue Problems* + **John C. Urschel**, Member, School of Mathematics + *Black Cats, White Cats, and Shrodinger's Cats—Classical and Quantum Computation via Query Complexity* + **Pei Wu**, Member, School of

Mathematics + *Deterministic and Stochastic Aspects of Two-Dimensional Fluid* + **Bian Wu**, Member, School of Mathematics + *Tight Space Complexity of the Coin Problem* + **Or Zamir**, Member, School of Mathematics

September 30

Clay Research Conference—an Online Event + *Convex Integration and Synthetic Turbulence* + **László Székelyhidi**, Distinguished Visiting Professor, School of Mathematics + *Gauge Theory and the Analytic Approach to Geometric Langlands* + **Edward Witten**, Charles Simonyi Professor, School of Natural Sciences + *The Work of Buckmaster, Isett and Vicol and Presentation of the Clay Research Award to Tristan Buckmaster, Philip Isett and Vlad Vicol* + **Camillo De Lellis**, IBM von Neumann Professor, School of Mathematics and **Thomas Clay**

Joint IAS/Princeton University Number Theory Seminar + *Sums in Progressions over $\mathbb{F}_q[\mathbf{T}]$, the Symmetric Group, and Geometry* + **Will Sawin**, Columbia University

October 1

Hermann Weyl Lectures + *On Singularity Formation for Energy Super Critical Problems* + **Pierre Raphaël**, University of Cambridge

October 4

Computer Science/Discrete Mathematics Seminar I + *Verifying the Unseen: Interactive Proofs for Label-Invariant Distribution Properties* + **Guy Rothblum**, Weizmann Institute of Science

Hermann Weyl Lectures + *Type I, Type II and Front Singularities* + **Pierre Raphaël**, University of Cambridge

Joint IAS/Princeton University Symplectic Geometry Seminar + *On Stabilized Symplectic Embeddings and Higher Symplectic Capacities* + **Kyler Siegel**, Member, School of Mathematics

October 5

Computer Science/Discrete Mathematics Seminar II + *Recent Progress in Query Complexity I & II* + **Pei Wu**, Member, School of Mathematics

Hermann Weyl Lectures + *Blow Up for the Energy Super Critical Defocusing NLS* + **Pierre Raphaël**, University of Cambridge

October 6

Arithmetic Groups + *First Order Rigidity of High-Rank Arithmetic Groups* + **Alexander Lubotzky**, Hebrew University of Jerusalem; Visiting Professor, School of Mathematics

Lectures in Analysis and Geometry + *Basic Notions and User's Guide for Fluid Mechanics* + **László Székelyhidi**, University of Leipzig; Distinguished Visiting Professor, School of Mathematics

October 7

Discussions in Analysis and Geometry + *Basic Notions and Users' Guide for the Special Year, Part II* + **Kai Cieliebak**, University of Augsburg; Member, School of Mathematics

Joint IAS/Princeton University Number Theory Seminar + *Bounds for Standard L-functions* + **Paul Nelson**, von Neumann Fellow; School of Mathematics

October 8

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar + *Three 20-minute Research Talks* + **Jean-Philippe Chassé**, Université de Montréal; **Leo Digiosia**, Rice University; **Rima Chatterjee**, University of Cologne

October 11

Computer Science/Discrete Mathematics Seminar I + *The Complexity of Gradient Descent: $CLS = PPLAD \cap PLS$* + **Alexandros Hollender**, University of Oxford

Joint IAS/Princeton University Symplectic Geometry Seminar + *Tropical Lagrangian Sections and Looijenga Pairs* + **Andrew Hanlon**, Stony Brook University

Members' Colloquium + *What is the h-Principle?* + **Camillo De Lellis**, IBM von Neumann Professor, School of Mathematics

October 12

Computer Science/Discrete Mathematics Seminar II + *Recent Progress in Query Complexity I & II* + **Pei Wu**, Member, School of Mathematics

Seminar in Analysis and Geometry + *Shades of h-Principle in Foliation Theory* + **Gael Meigniez**, Aix-Marseille University; Member, School of Mathematics

October 13

Arithmetic Groups + *First-Order Rigidity, Bi-Interpretability, and Congruence Subgroups* + **Nir Avni**, Northwestern University

Lectures in Analysis and Geometry + *The h-Principle and Weak Solutions* + **László Székelyhidi**, University of Leipzig; Distinguished Visiting Professor, School of Mathematics

Mathematical Conversations + *Tangent Cones and Their Uniqueness, Maybe a Meeting Ground for Hard Analysis and Algebraic Geometry* + **Camillo De Lellis**, IBM von Neumann Professor; School of Mathematics

October 14

Discussions in Analysis and Geometry + *Reading Seminar on Papers of Honda-Huang and Breem-Christopher, Exploring the Notion of Convexity in High Dimensional Contact Geometry*

Joint IAS/Princeton University Number Theory Seminar + *Modularity and Heights of CM Cycles on Kuga-Sato Varieties* + **Congling Qiu**, Yale University

October 15

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar + *Results on Abundance of Global Surfaces of Section* + **Umberto Hryniewicz**, RWTH Aachen University

October 18

Computer Science/Discrete Mathematics Seminar I + *Sharp Matrix Concentration Inequalities* + **Ramon Van Handel**, Princeton University

Joint IAS/Princeton University Symplectic Geometry Seminar + *Contractibility of the Space of Tight Contact Structures on \mathbb{R}^3* + **Yakov Eliashberg**, Stanford University; Member, School of Mathematics

Members' Colloquium + *Higher Order Fourier Analysis and Solving Equations in Dense Sets* + **Sarah Peluse**, Institute for Advanced Study and Princeton University; **Veblen Research Instructor**, School of Mathematics

October 19

Computer Science/Discrete Mathematics Seminar II + *An Introduction to Determinantal Point Processes* + **John C. Urschel**, Member, School of Mathematics

Seminar in Analysis and Geometry + *The Shock Development Problem* + **Tristan Buckmaster**, Princeton University; Member, School of Mathematics

October 20

Arithmetic Groups + *Groups with Bounded Generation: Properties and Examples* + **Andrei S. Rapinchuk**, University of Virginia

Lectures in Analysis and Geometry + *Overview of the h-Principle* + **Yakov Eliashberg**, Stanford University; Member, School of Mathematics

Mathematical Conversations + *The Unreasonable Effectiveness of Convexity in Symplectic Geometry* + **Shira Tanny**, Member, School of Mathematics

October 21

Discussions in Analysis and Geometry + *Reading Seminar on Papers of Honda-Huang and Breem-Christopher, Exploring the Notion of Convexity in High Dimensional Contact Geometry*

October 22

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar + *Big Fiber Theorems and Ideal-valued Measures in Symplectic Topology* + **Yaniv Ganor**, Technion – Israel Institute of Technology

October 25

Computer Science/Discrete Mathematics Seminar I + *Locally Testable Codes with Constant Rate, Distance, and Locality, Part I* + **Irit Dinur**, Weizmann Institute of Science

Joint IAS/Princeton University Symplectic Geometry Seminar + *Mirror Symmetry from the SYZ base* + **Benjamin Gammage**, Harvard University

Members' Colloquium + *A (slightly less) Brief Look into the Restricted 3-body Problem* + **Agustin Moreno**, Member, School of Mathematics

October 26

Computer Science/Discrete Mathematics Seminar II + *Locally Testable Codes with Constant Rate, Distance, and Locality, Part II* + **Irit Dinur**, Weizmann Institute of Science

Seminar in Analysis and Geometry + *On Embeddings of Manifolds* + **Dishant Mayurbhai Pancholi**, Chennai Mathematical Institute; von Neumann Fellow, School of Mathematics

Special Seminar + *Existence of an Unbounded Nodal Hypersurface for Smooth Gaussian Fields in Dimension $d > 2$* + **Hugo Duminil Copin**, Institut des Hautes Études Scientifiques

October 27

Lectures in Analysis and Geometry + *The h-Principle in Fluid Mechanics* + **László Székelyhidi**, University of Leipzig; Distinguished Visiting Professor, School of Mathematics

Mathematical Conversations + *Gaussian Elimination with Complete Pivoting: Searching for a Needle in a Haystack* + **John C. Urschel**, Member, School of Mathematics

October 28

Discussions in Analysis and Geometry + *Reading Seminar on Papers of Honda-Huang and Breem-Christopher, Exploring the Notion of Convexity in High Dimensional Contact Geometry*

Joint IAS/Princeton University Number Theory Seminar + *Reducible Fibers and Monodromy of Polynomial Maps* + **Danny Neftin**, Technion – Israel Institute of Technology; Member, School of Mathematics

October 29

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar + *Detecting Non-Trivial Elements in the Spaces of Legendrian Knots via Algebraic K-theory* + **Yakov Eliashberg**, Stanford University; Member, School of Mathematics

November 1

Computer Science/Discrete Mathematics Seminar I + *Parallel Repetition for the GHZ Game: A Simpler Proof* + **Uma Girish**, Princeton University

Workshop on the h -Principle and Beyond + *Looking at Euler Flows Through a Contact Mirror: Universality, Turing Completeness and Undecidability* + **Eva Miranda**, Universitat Politècnica de Catalunya

November 1

Workshop on the h -Principle and Beyond + *Overtwisted = Tight in 3 Dimensions* + **Francisco Presas Mata**, Instituto de Ciencias Matemáticas

Workshop on the h -Principle and Beyond + *Local Flexibility for Open Partial Differential Relations* + **Bernhard Hanke**, University of Augsburg

Workshop on the h -Principle and Beyond + *Mather-Thurston's Theory, Non-Abelian Poincaré Duality and Diffeomorphism Groups* + **Sam Nariman**, Purdue University

November 2

Computer Science/Discrete Mathematics Seminar II + *Introduction to Continuous Combinatorics I: The Semidefinite Method of Flag Algebras* + **Leonardo Coregliano**, Member, School of Mathematics

November 2

Workshop on the h -Principle and Beyond + *The Many Facets of Complexity of Beltrami Fields in Euclidean Space* + **Daniel Peralta Salas**, Instituto de Ciencias Matemáticas

November 2

Workshop on the h -Principle and Beyond + *Holonomic Approximation through Convex Integration* + **Melanie Theilliere**, University of Luxembourg

Workshop on the h -Principle and Beyond + *Lefschetz Fibrations on the Milnor Fibers of Cusp Singularities and Applications* + **Yoshihiko Mitsumatsu**, Chuo University

Workshop on the h -Principle and Beyond + *Chaos in the Incompressible Euler Equation on Manifolds of High Dimension* + **Francisco Torres De Lizaur**, University of Toronto

November 3

Arithmetic Groups + *Non-virtually Abelian Anisotropic Linear Groups are not Boundedly Generated* + **Jinbo Ren**, Member, School of Mathematics

Workshop on the h -Principle and Beyond + *The Flexibility of Caustics and its Applications* + **Daniel Alvarez Gavela**, Massachusetts Institute of Technology

Workshop on the h -Principle and Beyond + *Hamiltonian Geometry Behind Compressible Fluids* + **Boris Khesin**, University of Toronto

Workshop on the h -Principle and Beyond + *A Controlled Mather Thurston Theorem* + **Mike Freedman**, Microsoft

November 4

Joint IAS/Princeton University Number Theory Seminar + *Monogenic Fields with Odd Class Number* + **Artane Jeremie Siad**, Princeton University; Visitor, School of Mathematics

Joint IAS/Princeton University Symplectic Geometry Seminar + *A (Slightly Deeper) Look into the Restricted 3-body Problem* + **Agustin Moreno**, Member, School of Mathematics

Workshop on the h -Principle and Beyond + *Regularity of the Limit Set of Embedded Poincaré Disks* + **Vincent Borelli**, University of Lyon

Workshop on the h -Principle and Beyond + *A Topological View on the Monge-Ampère Equation Without Convexity Assumptions* + **Jonas Hirsch**, University of Leipzig

Workshop on the h -Principle and Beyond + *Ampleness up to Avoidance* + **Alvaro Del Pino Gomez**, University of Utrecht

Workshop on the h -Principle and Beyond + *Flexibility in C^0 Symplectic Geometry* + **Lev Buhovsky**, Tel Aviv University

November 5

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar + *Three 20-minute Research Talks* + **Rohil Prasad**, Princeton University; **Alex Pieloch**, Columbia University; **Chi Hong Chow**, Chinese University of Hong Kong

Workshop on the h -Principle and Beyond + *A h -Principle for Locally Conformal Symplectic Structures* + **Melanie Bertelson**, University of Brussels

Workshop on the h -Principle and Beyond + *Flexibilization as Localization* + **Oleg Lazarev**, University of Massachusetts

Workshop on the h -Principle and Beyond + *On Some Geometry-Grounded Problems Involving PDEs, Dynamics, and Discretization* + **Dmitri Burago**, Pennsylvania State University

November 8

Computer Science/Discrete Mathematics Seminar I + *The Kakeya Set Conjecture over \mathbb{Z} mod N for General N* + **Manik Dhar**, Princeton University

Joint IAS/Princeton University Symplectic Geometry Seminar + *Lagrangian Cobordisms and Enriched Knot Diagrams* + **Ipsita Datta**, Member, School of Mathematics

Members' Colloquium + *Which Manifolds are Symplectic?* + **Yakov Eliashberg**, Stanford University; Member, School of Mathematics

November 9

Computer Science/Discrete Mathematics Seminar II + *Introduction to Continuous Combinatorics II: Semantic Limits* + **Leonardo Coregliano**, Member, School of Mathematics

Seminar in Analysis and Geometry + *3D Navier-Stokes Equations: The Dynamics of a Blow-Up* + **Alexey P. Cheskidov**, University of Illinois, Chicago; Member, School of Mathematics

November 10

Arithmetic Groups + *The Congruence Subgroup Property for $SL(2, \mathbb{Z})$* + **William Yun Chen**, Member, School of Mathematics

Character Varieties, Dynamics and Arithmetic + *Dynamics on Character Varieties* + **William Goldman**, University of Maryland; Member, School of Mathematics

Lectures in Analysis and Geometry + *h -Principle in Symplectic Topology* + **Emmy Murphy**, Princeton University; Visitor, School of Mathematics

Mathematical Conversations + *Stochastic Characteristics: Ellipticity and Hypoellipticity from Finite to Infinite Dimensions* + **Jonathan Mattingly**, Duke University; Member, School of Mathematics

Special Seminar + *Random Forests and Hyperbolic Symmetry* + **Roland Bauerschmidt**, University of Cambridge

November 11

Discussions in Analysis and Geometry + *Reading Seminar on the Papers of Tao on Universality of the Euler Equations* + **Cedric De Groote**, Member, School of Mathematics

Floor Learning Seminar

Joint IAS/Princeton University Number Theory Seminar + *The Unbounded Denominators Conjecture* + **Yunqing Tang**, Princeton University

November 15

Joint IAS/Princeton University Symplectic Geometry Seminar + *ECH of Prequantization Bundles* + **Jo Nelson**, Rice University

Members' Colloquium + *Growth of Cohomology in Towers of Manifolds: A Topological Application of the Langlands Program* + **Mathilde Gerbelli Gauthier**, Member, School of Mathematics

November 16

Seminar in Analysis and Geometry + *Building Linear Homotopies in Metric Topology with Scalable Spaces* + **Aleksandr Berdnikov**, Member, School of Mathematics

November 17

Arithmetic Groups + *Algebraicity/Holonomicity Theorems* + **Frank Calegari**, University of Toronto; University of Chicago

Character Varieties, Dynamics and Arithmetic + *Dynamics on Character Varieties* + **William Goldman**, University of Maryland; Member, School of Mathematics

Lectures in Analysis and Geometry + *Stationary Solutions of the Euler Equations and Reeb Vector Fields* + **Kai Cieliebak**, University of Augsburg; Member, School of Mathematics

Mathematical Conversations + *Noether's Theorem in the Calculus of Variations and Hyperbolic Manifolds* + **Karen Uhlenbeck**, The University of Texas at Austin; Distinguished Visiting Professor, School of Mathematics

November 18

Discussions in Analysis and Geometry + *Reading Seminar on the Papers of Tao on Universality of the Euler Equations* + **Francisco Mengual**, Member, School of Mathematics

Floer Learning Seminar

Joint IAS/Princeton University Number Theory Seminar + *Conditional Approaches to Sums of Cubes* + **Victor Wang**, Princeton University

November 19

Blackwell Tapia Conference 2021—IAS Satellite Location

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar + *Exact Orbifold Fillings of Contact Manifolds* + **Fabio Gironella**, Humboldt University of Berlin

November 20

Blackwell Tapia Conference 2021—IAS Satellite Location

November 22

Computer Science/Discrete Mathematics Seminar I + *On Approximability of CSPs on Satisfiable Instances* + **Subhash Khot**, New York University

Joint IAS/Princeton University Symplectic Geometry Seminar + *Legendrian Torus and Cable Links* + **Lisa Traynor**, Bryn Mawr College

Members' Colloquium + *Mathematical Foundations for Human-Level Intelligence (Part 1): Cooperative Communication as Belief Transport* + **Patrick Shafto**, Rutgers University; Member, School of Mathematics

November 23

Computer Science/Discrete Mathematics Seminar II + *Exact Algorithms for Graph Coloring* + **Or Zamir**, Member, School of Mathematics

Seminar in Analysis and Geometry + *On Arnold's Formula for the Second Variation of Energy on Orbits of 2d Vorticities* + **Vladimír Sverák**, University of Minnesota; Member, School of Mathematics

November 26

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar + *Complex Cobordism and Hamiltonian Fibrations* + **Mohammed Abouzaid**, Columbia University

November 29

Joint IAS/Princeton University Symplectic Geometry Seminar + *Morse-Bott Theory on Singular Analytic Spaces and Applications to the Topology of Symplectic Four-Manifolds* + **Paul Feehan**, Rutgers University

Members' Colloquium + *Fluid Equations: Regularity and Kolmogorov's Turbulence Theory* + **Mimi Dai**, University of Illinois, Chicago; von Neumann Fellow, School of Mathematics

November 30

Seminar in Analysis and Geometry + *h-Principle without Pre-conditions for Rigid Lagrangians Transverse to a Distribution* + **Yakov Eliashberg**, Stanford University; Member, School of Mathematics

December 1

Arithmetic Groups + *Applications to Modular Forms and Noncongruence Arithmetic Groups* + **Frank Calegari**, Princeton University; University of Chicago

Character Varieties, Dynamics and Arithmetic + *Integral Points on Character Varieties* + **Junho Peter Whang**, Seoul National University

Joint IAS/Princeton University Number Theory Seminar + *Abelian Varieties Not Isogenous to Jacobians* + **Jacob Tsimerman**, University of Toronto

Lectures in Analysis and Geometry + *Rigidity and Flexibility of Isometric Embeddings in $C1a I$* + **Camillo De Lellis**, IBM von Neumann Professor, School of Mathematics

Mathematical Conversations + *A Magnetic Interpretation of the Nodal Count on Graphs* + **Lior Alon**, Member, School of Mathematics

December 2

Discussions in Analysis and Geometry + *Reading Seminar on Tao's Blow-up Paper for an Averaged Navier-Stokes System* + **Vladimír Sverák**, University of Minnesota; Member, School of Mathematics

Floer Learning Seminar

December 6

Computer Science/Discrete Mathematics Seminar I + *List Decoding with Double Samplers* + **Inbal Livni Navon**, Weizmann Institute of Science

Joint IAS/Princeton University Symplectic Geometry Seminar + *Producing Algebraic Curves in Projective Families via Floer Theory* + **Alex Pieloch**, Columbia University

Members' Colloquium + *Old and New Results on the Spread of the Spectrum of a Graph* + **John C. Urschel**, Member, School of Mathematics

December 7

Computer Science/Discrete Mathematics Seminar II + *An Introduction to Binary Code Bounds* + **Fernando Granha Jeronimo**, Member, School of Mathematics

Seminar in Analysis and Geometry + *The Landscape Law and Wave Localization* + **Svitlana Mayboroda**, University of Minnesota; von Neumann Fellow, School of Mathematics

Special Seminar + *Stable Vortex Sheets and Irreversibility of Turbulence* + **Alexander Migdal**, New York University

December 8

Arithmetic Groups + *Commutators in SL_2 and Markoff Surfaces* + **Peter Sarnak**, Professor, School of Mathematics

Character Varieties, Dynamics and Arithmetic + *Effective Mapping Class Group Dynamics* + **Francisco Andres Arana Herrera**, Member, School of Mathematics

Lectures in Analysis and Geometry + *Rigidity and Flexibility of Isometric Embeddings in $C1a II$* + **Camillo De Lellis**, IBM von Neumann Professor; School of Mathematics

Mathematical Conversations + *Can One Hear the Winding Number?* + **László Székelyhidi**, University of Leipzig; Distinguished Visiting Professor, School of Mathematics

December 9

Discussions in Analysis and Geometry + *The Ruelle Invariant and Convexity I* + **Julian Chaidez**, Princeton University; Visitor, School of Mathematics

Floer Learning Seminar

Joint IAS/Princeton University Number Theory Seminar + *The Second Moment of the Size of the 2-Selmer Group of Elliptic Curves* + **Ashvin Swaminathan**, Princeton University

December 10

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar + *GIT Quotients and Symplectic Data Analysis* + **Urs Frauenfelder**, Augsburg University

December 13

Joint IAS/Princeton University Symplectic Geometry Seminar + *Localization and Flexibilization in Symplectic Geometry* + **Oleg Lazarev**, University of Massachusetts Boston

Members' Colloquium + *A New Random Model for the Euler and Navier-Stokes Equations and Related Equations* + **Jonathan Mattingly**, Duke University; Member, School of Mathematics

December 14

Computer Science/Discrete Mathematics Seminar II + *An Introduction to Lified Expander Graphs* + **Fernando Granha Jeronimo**, Member, School of Mathematics

Seminar in Analysis and Geometry + *Floer Homology of Hamiltonians Supported on Subsets* + **Shira Tanny**, Member, School of Mathematics

December 15

Arithmetic Groups + *Commutators in SL_2 and Markoff Surfaces* + **Chen Meiri**, Technion – Israel Institute of Technology

Character Varieties, Dynamics and Arithmetic + *The Dynamics of $Aut(F_n)$ Actions on Group Presentations and Representations* + **Alexander Lubotzky**, Hebrew University of Jerusalem; Visiting Professor, School of Mathematics

Lectures in Analysis and Geometry + *The Ruelle Invariant and Convexity II* + **Julian Chaidez**, Princeton University; Visitor, School of Mathematics

Special Lecture + *Can You Hear the Will of the People in the Vote? The Mathematics and Policy of Quantifying Gerrymandering* + **Jonathan Mattingly**, Duke University; Member, School of Mathematics

December 16

Floer Learning Seminar

December 17

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar + *Three 20-minute Research Talks* + **Wenyuan Li**, Northwestern University; **Jakob Hedricke**, Ruhr-Universität Bochum; **Johan Asplund**, Uppsala University

January 13

Floer Learning Seminar

January 14

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar + *Quantitative Legendrian Geometry* + **Michael Sullivan**, University of Massachusetts, Amherst

January 18

Computer Science/Discrete Mathematics Seminar II + *Norm Minimization, Invariant Theory, and the Jacobian Conjecture* + **William Cole Franks**, Massachusetts Institute of Technology

Seminar in Analysis and Geometry + *Non-uniqueness of Leray Solutions of the Forced Navier-Stokes Equations* + **Dallas Albritton**, Member, School of Mathematics

January 19

Lectures in Analysis and Geometry + *Informal Meeting to Discuss the Topics*

January 20

Discussions in Analysis and Geometry + *Instability and Non-uniqueness in Fluid Dynamics—Part I: Unstable Vortex* + **Elia Bruè**, Member, School of Mathematics

Floer Learning Seminar

January 21

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar + *Beyond Semitoric* + **Susan Tolman**, University of Illinois Urbana-Champaign

January 24

Computer Science/Discrete Mathematics Seminar I + *Reproducibility in Learning* + **Jessica Sorrell**, University of California San Diego

Joint IAS/Princeton University Symplectic Geometry Seminar + *Symplectomorphisms Mirror to Birational Transformations of the Complex Plane* + **Abigail Ward**, Massachusetts Institute of Technology

Members' Colloquium + *Cubic Surfaces and Non-Euclidean Geometry* + **William Goldman**, University of Maryland; Member, School of Mathematics

January 25

Computer Science/Discrete Mathematics Seminar II + *Bounds for Subsets of $\mathbb{F}_p^n \times \mathbb{F}_p^n$ without L-shaped Configurations* + **Sarah Peluse**, Institute for Advanced Study and Princeton University; Veblen Research Instructor, School of Mathematics

Seminar in Analysis and Geometry + *Honda-Huang's Work on Contact Convexity Revisited* + **Dishant Mayurbhai Pancholi**, Chennai Mathematical Institute; von Neumann Fellow, School of Mathematics

January 26

Arithmetic Groups + *Grothendieck Pairs and Profinite Rigidity* + **Martin Bridson**, Oxford University

Mathematical Conversations + *From Stein to Weinstein and Back* + **Kai Cieliebak**, University of Augsburg; Member, School of Mathematics

January 27

Floer Learning Seminar

January 27

Topics in Analysis + *Instability and Non-uniqueness in Fluid Dynamics—Part II: Unstable Vortex Ring* + **Dallas Albritton**, Member, School of Mathematics

January 28

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar + *Three 20-minute Research Talks* + **Dustin Connery Grigg**, Université de Montréal; **Pazit Haim-Kislev**, Tel Aviv University; **Thibaut Mazuir**, University of Paris

February 1

Computer Science/Discrete Mathematics Seminar II + *Bounds for Subsets of $\mathbb{F}_p^n \times \mathbb{F}_p^n$ without L-shaped Configurations* + **Sarah Peluse**, Veblen Research Instructor, School of Mathematics

Seminar in Analysis and Geometry + *Euler Flows with Local Energy Dissipation* + **Hyunju Kwon**, Member, School of Mathematics

Short Talks by Postdoctoral Members + *How to Build a Fluid Clock* + **Theodore Dimitrios Drivas**, Member, School of Mathematics

Short Talks by Postdoctoral Members + *On the Birch and Swinnerton-Dyer Conjecture over Quadratic Fields: The Reducible Case* + **Emmanuel Lecouturier**, Member, School of Mathematics

February 2

Arithmetic Groups + *Profinite Completions and Representation Rigidity* + **Ryan Spitler**, Rice University

Mathematical Conversations + *The Vision of the Sets According to Brownian Travelers* + **Svitlana Mayboroda**, University of Minnesota

Topics in Geometry + *Quantitative Heegaard Floer Cohomology and the Calabi Invariant [CGHMSS] Part I: Background on C^0 Symplectic Geometry* + **Kai Cieliebak**, University of Augsburg; Member, School of Mathematics

February 3

Floer Learning Seminar

Joint IAS/Princeton University Number Theory Seminar + *Motivic Action on Coherent Cohomology of Hilbert Modular Varieties* + **Aleksander Horawa**, University of Michigan

Topics in Analysis + *Instability and Non-uniqueness in Fluid Dynamics—Part III: Non-uniqueness of Leray Solutions* + **Elia Bruè**, Member, School of Mathematics

February 7

Joint IAS/Princeton University Symplectic Geometry Seminar + *Poincaré Duality for Loop Spaces* + **Kai Cieliebak**, Augsburg University; Member, School of Mathematics

Members' Colloquium + *PDEs vs. Geometry: Analytic Characterizations of Geometric Properties of Sets* + **Svitlana Mayboroda**, University of Minnesota

February 8

Seminar in Analysis and Geometry + *Totally Nonparallel Immersions* + **Michael Harrison**, Member, School of Mathematics

February 9

Arithmetic Groups + *From PSL_2 Representation Rigidity to Profinite Rigidity* + **Ben McReynolds**, Rice University; Purdue University

Mathematical Conversations + *Random Hyperbolic Surfaces* + **Francisco Andres Arana Herrera**, Member, School of Mathematics

Topics in Geometry + *Quantitative Heegaard Floer Cohomology and the Calabi Invariant [CGHMSS] Part I: Background on C^0 Symplectic Geometry* + **Kai Cieliebak**, Member, School of Mathematics

February 10

Floer Learning Seminar

Joint IAS/Princeton University Number Theory Seminar + *Local ($\ell = p$) Galois Deformation Rings* + **Ashwin Iyengar**, Johns Hopkins University

Topics in Analysis + *Instability and Non-uniqueness in Fluid Dynamics—Part IV: Sharpness of the Yudovich Class* + **Dallas Albritton**, Member, School of Mathematics

February 11

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar + *On Symplectic Capacities and Their Blind Spots* + **Ely Kerman**, University of Illinois, Urbana-Champaign

February 14

Computer Science/Discrete Mathematics Seminar I + *Random Algebraic Varieties and Their Applications to Hardness of Approximation* + **Bhargav Narayanan**, Rutgers University

Joint IAS/Princeton University Symplectic Geometry Seminar + *Computing Disk Potentials via Multi-directional sft* + **Chris Woodward**, Rutgers University

Members' Colloquium + *Morrey's Conjecture* + **László Székelyhidi**, University of Leipzig; Distinguished Visiting Professor, School of Mathematics

February 15

Computer Science/Discrete Mathematics Seminar II + *Derandomization and its Connections Throughout Complexity Theory* + **Roei Tell**, Member, School of Mathematics

Seminar in Analysis and Geometry + *$H^{1/2}$ -Weak Solutions of the 3D Euler Equations* + **Matthew Novack**, Member, School of Mathematics

February 16

Arithmetic Groups + *Anosov Groups: Local Mixing, Counting, and Equidistribution* + **Minju Lee**, Member, School of Mathematics

Mathematical Conversations + *The Strong Cosmic Censorship Conjecture in General Relativity* + **Christoph Kehle**, Member, School of Mathematics

Topics in Geometry + *Quantitative Heegaard Floer Cohomology and the Calabi Invariant [CGHMSS] Part II: Reduction to the Spectral Invariant* + **Cedric De Groot**, Member, School of Mathematics

February 17

Floer Learning Seminar

Joint IAS/Princeton University Number Theory Seminar + *A Wiles-Diamond Numerical Criterion in Higher Dimensions* + **Chandrashekar Khare**, University of California, Los Angeles

February 18

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar + *Reynaud Models from Relative Floer Theory* + **Umut Varolgunes**, Boğaziçi University

February 21

Computer Science/Discrete Mathematics Seminar I + *PAC Learnability of Partial Concept Classes* + **Noga Alon**, Princeton University

Joint IAS/Princeton University Symplectic Geometry Seminar + *Generic Equidistribution of Periodic Orbits for Area-Preserving Surface Diffeomorphisms* + **Rohil Prasad**, Princeton University

February 22

Computer Science/Discrete Mathematics Seminar II + *Derandomization and its Connections Throughout Complexity Theory* + **Lijie Chen**, Massachusetts Institute of Technology

Seminar in Analysis and Geometry + *On the Lagrangian Cobordism Relation on Legendrian Links* + **Joshua Sabloff**, Member, School of Mathematics

February 23

Arithmetic Groups + *Effective Equidistribution of Some One-Parameter Unipotent Flows with Polynomial Rates I & II* + **Elon Lindenstrauss**, Hebrew University

Mathematical Conversations + *Lego in Finite Groups, Hurwitz Spaces, and Markoff Triples* + **William Yun Chen**, Member, School of Mathematics

Mathematical Physics Seminar + *Log-Sobolev Inequality for Near Critical Ising and Continuum φ^4 Measures* + **Roland Bauerschmidt**, University of Cambridge

Topics in Geometry + *Quantitative Heegaard Floer Cohomology and the Calabi Invariant [CGHMSS] Part III: Background on Heegaard-Floer* + **Ipsita Datta**, Member, School of Mathematics

February 24

Floer Learning Seminar

Topics in Analysis + *$H^{1/2}$ -Solutions of the 3D Euler Equations—Part 1: Constructing Velocity Increments and Placement Lemmas* + **Sam G. Krupa**, Member, School of Mathematics

February 25

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar + *Topological Entropy of Hamiltonian Diffeomorphisms: A Persistence Homology and Floer Theory Perspective* + **Erman Cineli**, University of California Santa Cruz

February 28

Computer Science/Discrete Mathematics Seminar I + *Refuting Smoothed k -SAT Formulas and a Proof of Feige's Conjecture* + **Pravesh Kothari**, Carnegie Mellon University

Joint IAS/Princeton University Symplectic Geometry Seminar + *Symplectic Geometry of Surface Group Representations* + **William Goldman**, Member, School of Mathematics

Members' Colloquium + *A Gentle Approach to Crystalline Cohomology* + **Jacob Lurie**, Professor, School of Mathematics

March 1

Computer Science/Discrete Mathematics Seminar II + *Non-Black-Box Derandomization* + **Roei Tell**, Member, School of Mathematics

Seminar in Analysis and Geometry + *Weak Solutions to MHD Equations* + **Daniel Faraco**, Member, School of Mathematics

March 2

Arithmetic Groups + *Effective Equidistribution of Some One-Parameter Unipotent Flows with Polynomial Rates I & II* + **Amir Mohammadi**, University of California San Diego; Pennsylvania State University

Mathematical Conversations + *Crooked Geometry: Crystallography in the Geometry of $(2+1)$ -Special Relativity* + **William Goldman**, Member, School of Mathematics

Mathematical Physics Seminar + *Bounds on Maass Spectra from Holomorphic Forms* + **Dalimil Mazac**, Member, School of Natural Sciences

Topics in Geometry + *Quantitative Heegaard Floer Cohomology and the Calabi Invariant [CGHMSS] Part IV: Existence of the Spectral Invariant* + **Agustin Moreno**, Member, School of Mathematics

March 3

Floer Learning Seminar

Joint IAS/Princeton University Number Theory Seminar + *A Density Conjecture About Unit Fractions* + **Thomas Bloom**, Oxford University

Topics in Analysis + *$H^{1/2}$ -Solutions of the 3D Euler Equations—Part 2: Low Frequency Error Terms and the Secondary Iteration* + **Vikram Giri**, Princeton University

March 4

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar + *Invariant Submanifolds for Conformal Dynamics* + **Marie Claude Arnaud**, Université d'Avignon

March 7

Computer Science/Discrete Mathematics Seminar I + *The Minimum Formula Size Problem is (ETH) Hard* + **Rahul Ilango**, Massachusetts Institute of Technology

Members' Colloquium + *The Orbit Method, Microlocal Analysis and Applications to L-functions* + **Paul Nelson**, von Neumann Fellow, School of Mathematics

March 8

Computer Science/Discrete Mathematics Seminar II + *Hardness of Easy Problems and Fine-Grained Complexity* + **Or Zamir**, Member, School of Mathematics

March 9

Arithmetic Groups + *Review of Vanishing for Bounded Cohomology, in Preparation for Stability* + **Nicolas Monod**, École Polytechnique Fédérale de Lausanne

Mathematical Physics Seminar + *An Introduction to Grassmann Integrals with Applications to Statistical Mechanics* + **Vieri Mastropietro**, Member, School of Mathematics

Topics in Geometry + *Quantitative Heegaard Floer Cohomology and the Calabi Invariant [CGHMSS] Part V: The Calabi Morphism* + **Joshua Sabloff**, Member, School of Mathematics

March 10

Floer Learning Seminar

Topics in Analysis + *$H^{1/2}$ -Solutions of the 3D Euler Equations—Part 3: Transport Errors, Pointwise Estimates, and Future Directions* + **Matthew Novack**, Member, School of Mathematics

March 14

Computer Science/Discrete Mathematics Seminar I + *Multi-group Learning via Outcome Indistinguishability* + **Gal Yona**, Weizmann Institute of Science

Joint IAS/Princeton University Symplectic Geometry Seminar + *The Quasimorphism Question* + **Daniel Anthony Cristofaro Gardiner**, University of Maryland

Marston Morse Lectures + *Spectral Statistics of Random Matrices and Random Graphs* + **Horngr-Tzer Yau**, Harvard University

March 15

Computer Science/Discrete Mathematics Seminar II + *Localization Schemes: A Framework for Proving Mixing Bounds for Markov Chains* + **Ronen Eldan**, von Neumann Fellow, School of Mathematics

March 16

Arithmetic Groups + *Asymptotic Bounded Cohomology and Uniform Stability of High-Rank Lattices* + **Bharatram Rangarajan**, Hebrew University

Marston Morse Lectures + *Matrix Brownian Motions and Random Spectral Dynamics* + **Horngr-Tzer Yau**, Harvard University

March 17

Floer Learning Seminar

Joint IAS/Princeton University Number Theory Seminar + *Arithmetic Statistics and Graded Lie Algebras* + **Jef Laga**, University of Cambridge

Marston Morse Lectures + *Quantum Diffusions and Random Band Matrices* + **Horngr-Tzer Yau**, Harvard University

March 18

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar + *Dimers, Networks, and Integrable Systems* + **Anton Izosimov**, The University of Arizona

March 21

Computer Science/Discrete Mathematics Seminar I + *Online Bipartite Matching and Adwords* + **Vijay V. Vazirani**, University of California Irvine

Joint IAS/Princeton University Symplectic Geometry Seminar + *Representations are Sheaves' for Legendrian 2-Weaves* + **Kevin Sackel**, Stony Brook University

Members' Colloquium + *On the Unpredictability of Fluid Motions* + **Dallas Albritton**, Member, School of Mathematics

March 22

Computer Science/Discrete Mathematics Seminar II + *Localization Schemes: A Framework for Proving Mixing Bounds for Markov Chains* + **Ronen Eldan**, von Neumann Fellow, School of Mathematics

Seminar in Analysis and Geometry + *Level Sets of Weakly Lipschitz Functions* + **Bobby Wilson**, University of Washington

March 23

Arithmetic Groups + *Canonical Forms for Free Group Automorphisms* + **Jean Pierre Mutanguha**, Member, School of Mathematics

Mathematical Conversations + *The Weyl Groupoid* + **Shifra Reif**, Member, School of Mathematics

Topics in Geometry + *Alternative Constructions of Weak Solutions of the Euler Equations* + **Alexander Shnirelman**, Member, School of Mathematics

March 24

Floer Learning Seminar

Joint IAS/Princeton University Number Theory Seminar + *On the BSD Conjecture for Certain Families of Abelian Varieties with Rational Torsion* + **Emmanuel Lecouturier**, Member, School of Mathematics

Topics in Analysis + *Alternative Constructions of Weak Solutions of the Euler Equations—Hybrid Discussion* + **Alexander Shnirelman**, Member, School of Mathematics

March 25

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar + *Three 20-min Research Talks* + **Benoît Joly**, Ruhr-Universität Bochum; **Marco Castronovo**, Columbia University; **Agniva Roy**, Georgia Institute of Technology

March 28

Computer Science/Discrete Mathematics Seminar I + *Linear Cover Time is Exponentially Unlikely* + **Quentin Dubroff**, Rutgers University

DeepMind Workshop + *Knot Theory and Machine Learning* + **Andras Juhász**, University of Oxford

DeepMind Workshop + *Combinatorial Invariance: A Case Study of Pure Math / Machine Learning Interaction* + **Geordie Williamson**, The University of Sydney

March 29

DeepMind Workshop + *What is Machine Learning Good For?* + **Alex Davies**, University of Cambridge

DeepMind Workshop + *AlphaZero and Matrix Multiplication* + **Alhussein Fawzi**, EPFL

Computer Science/Discrete Mathematics Seminar II + *The Absorption Method, and An Application to An Old Ramsey Problem* + **Matija Bucic**, Veblen Research Instructor, School of Mathematics

March 30

Arithmetic Groups + *Growth of Bianchi Modular Forms* + **Weibo Fu**, Princeton University

DeepMind Workshop + *The Signature and Natural Slope of Hyperbolic Knots* + **Marc Lackenby**, University of Oxford

Mathematical Conversations + *Statistical Properties of the Character Table of the Symmetric Group* + **Sarah Peluse**, Veblen Research Instructor, School of Mathematics

Mathematical Physics Seminar + *Large Genus Asymptotics in Flat Surfaces and Hyperbolic Geodesics* + **Amol Aggarwal**, Visiting Professor, School of Mathematics

March 31

Floer Learning Seminar

Joint IAS/Princeton University Number Theory Seminar + *Some Progress on Categorical Local Langlands* + **Linus Hamann**, Princeton University

April 1

DeepMind Workshop + *Fireside Chat* + **Andras Juhász**, University of Oxford; University of Cambridge; The University of Sydney

April 4

Computer Science/Discrete Mathematics Seminar I + *Many Nodal Domains in Random Regular Graphs* + **Nikhil Srivastava**, University of California, Berkeley

Joint IAS/Princeton University Symplectic Geometry Seminar + *Rank Inequalities for the Heegaard Floer Homology of Branched Covers* + **Kristen Hendricks**, Rutgers University

Workshop on Recent Developments in Incompressible Fluid Dynamics + *Singularity Formation in Incompressible Fluids* + **Tarek Elgindi**, Duke University

Workshop on Recent Developments in Incompressible Fluid Dynamics + *From the Monge Transportation Problem to Einstein's Gravitation through Euler's Hydrodynamics* + **Yann Brenier**, CNRS-Laboratoire de Mathématiques d'Orsay, Université Paris-Saclay

Workshop on Recent Developments in Incompressible Fluid Dynamics + *A Detailed Characterization of the Hypersurface of Pre-shocks for the Euler Equations* + **Steve Shkoller**, University of California, Davis

Workshop on Recent Developments in Incompressible Fluid Dynamics + *Local Dissipation of Energy for Continuous Incompressible Euler Flows* + **Philip Isett**, The University of Texas at Austin

April 5

Computer Science/Discrete Mathematics Seminar II + *A Magnetic Interpretation of the Nodal Count on Graphs* + **Lior Alon**, Member, School of Mathematics

Workshop on Recent Developments in Incompressible Fluid Dynamics + *Small Scale Formations in the Incompressible Porous Media Equation* + **Yao Yao**, National University of Singapore

Workshop on Recent Developments in Incompressible Fluid Dynamics + *Properties of Mixing BV Vector Fields* + **Stefano Bianchini**, SISSA

Workshop on Recent Developments in Incompressible Fluid Dynamics + *Pressure and Intermittency* + **Peter Constantin**, Princeton University

Workshop on Recent Developments in Incompressible Fluid Dynamics + *D'Alembert Principle and Weak Solutions of the Euler Equations* + **Alexander Shnirelman**, Concordia University

April 6

Special Number Theory Seminar + *On the Distribution of the Hodge Locus* + **Emmanuel Ullmo**, Institut des Hautes Études Scientifiques

Workshop on Recent Developments in Incompressible Fluid Dynamics + *Generic Global Existence for the Modified SQG Equation* + **Javier Gomez Serrano**, Brown University; University of Barcelona

Workshop on Recent Developments in Incompressible Fluid Dynamics + *On the Sticky Particle Solutions to the Pressureless Euler System in General Dimension* + **Sara Daneri**, Gran Sasso Institute

April 7

Floer Learning Seminar

Joint IAS/Princeton University Number Theory Seminar + *The Average Size of 3-Torsion in Class Groups of 2-Extensions* + **Robert Lemke Oliver**, Tufts University

Workshop on Recent Developments in Incompressible Fluid Dynamics + *The Quartic Integrability and Long Time Existence of Steep Water Waves in 2D* + **Sijue Wu**, University of Michigan

Workshop on Recent Developments in Incompressible Fluid Dynamics + *Self-similar Gravitational Collapse* + **Juhi Jang**, University of Southern California

Workshop on Recent Developments in Incompressible Fluid Dynamics + *Non-Newtonian Fluids and Convex Integration* + **Stefano Modena**, TU Darmstadt

Workshop on Recent Developments in Incompressible Fluid Dynamics + *On the Competition Between Advection and Vortex Stretching* + **Jijie Chen**, California Institute of Technology

April 8

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar + *Lagrangians, Symplectomorphisms and Zeros of Moment Maps* + **Yann Rollin**, Nantes University

Workshop on Recent Developments in Incompressible Fluid Dynamics + *Non-uniqueness of Leray Solutions of the Forced Navier-Stokes Equations* + **Maria Colombo**, EPFL

Workshop on Recent Developments in Incompressible Fluid Dynamics + *An Intermittent Onsager Theorem* + **Vlad Vicol**, New York University

April 11

Computer Science/Discrete Mathematics Seminar I + *The Long Arm of Theoretical Computer Science: A Case Study in Blockchains/Web3* + **Tim Roughgarden**, Columbia University

Joint IAS/Princeton University Symplectic Geometry Seminar + *Integral Gromov-Witten Invariants and Complex Derived Orbifold Bordism* + **Shaoyun Bai**, Princeton University

April 12

Computer Science/Discrete Mathematics Seminar II + *Multi-Group Fairness, Loss Minimization and Indistinguishability* + **Parikshit Gopalan**, VMware Research

April 13

Arithmetic Groups + *Arithmetic and Dynamics on Varieties of Markoff Type* + **Alexander Gamburd**, The City University of New York

Mathematical Conversations + *How Dark Matter Could Be Measured in the Solar System* + **Edward Belbruno**, Yeshiva University; Princeton University

Mathematical Physics Seminar + *Invariant Gibbs Measures for the Cubic Nonlinear Wave Equation* + **Bjoern Bringmann**, Member, School of Mathematics

April 14

Floer Learning Seminar

Joint IAS/Princeton University Number Theory Seminar + *Non-Vanishing of Twists of $GL(4)$ L-functions* + **Liyang Yang**, Princeton University

April 15

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar + *Singular Plane Curves and Stable Nonsqueezing Phenomena* + **Kyler Siegel**, University of Southern California

April 18

Computer Science/Discrete Mathematics Seminar I + *Set Chasing, with an Application to Online Shortest Path* + **Sebastien Bubeck**, Microsoft Research Lab-Redmond

Joint IAS/Princeton University Symplectic Geometry Seminar + *Non-Orientable Lagrangian Fillings of Legendrian Knots* + **Joshua Sabloff**, Member, School of Mathematics

April 19

Computer Science/Discrete Mathematics Seminar II + *A Tutorial on Gaussian Elimination* + **John C. Urschel** + Member, School of Mathematics

Seminar in Analysis and Geometry + *Singularity Formation for Reduced Models of Fluid Equations* + **Mimi Dai**, von Neumann Fellow, School of Mathematics

April 20

Mathematical Physics Seminar + *Towards Morse Theory of Dispersion Relations* + **Gregory Berkolaiko**, Texas A&M University

April 21

Floer Learning Seminar

Joint IAS/Princeton University Number Theory + *Seminar Galois Groups of Random Integer Polynomials* + **Manjul Bhargava**, Princeton University

Topics in Analysis + *Positive Lyapunov Exponents and Mixing in Stochastic Fluid Flow. Part I* + **Samuel Punshon Smith**, Member, School of Mathematics

April 22

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar + *From Floer to Hochschild via Matrix Factorisations* + **Jack Smith**, University of Cambridge

April 26

Seminar in Analysis and Geometry + *Global Well-Posedness for the 2D One-Phase Muskat Problem* + **Hongjie Dong**, Brown University

April 27

Mathematical Conversations + *The Sharp Liouville Theorem for Conformal Maps* + **Andre Guerra**, Member, School of Mathematics

April 28

Floer Learning Seminar

Joint IAS/Princeton University Number Theory Seminar + *Modular Forms of Half-Integral Weight on Exceptional Groups* + **Spencer Leslie**, Duke University

Topics in Analysis + *Positive Lyapunov Exponents and Mixing in Stochastic Fluid Flow. Part II* + **Elia Bruè**, Member, School of Mathematics

April 29

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar + *Knots, Minimal Surfaces and J-holomorphic Curves* + **Joel Fine**, Université Libre de Bruxelles

May 2

Joint IAS/Princeton University Symplectic Geometry Seminar + *Inner and Outer Billiards in Symplectic Spaces* + **Sergei Tabachnikov**, Pennsylvania State University

May 3

Seminar in Analysis and Geometry + *Metrics of Constant Chern Scalar Curvature* + **Xi Sisi Shen**, Columbia University

May 4

Mathematical Conversations + *What Persuades Us to Accept a Proof as Correct, and Can Computer Learning Help Us in That?* + **Andrew Granville**, Université de Montréal

Mathematical Physics Seminar + *Modular Bootstrap, Segal's Axioms and Resolution of Liouville Conformal Field Theory* + **Rémi Rhodes**, Université Aix-Marseille; **Vincent Vargas**, École Normale Supérieure

May 5

Joint IAS/Princeton University Number Theory Seminar + *Applications of the Subspace Theorem in Group Theory* + **Junbo Ren**, Member, School of Mathematics

Topics in Analysis + *Positive Lyapunov Exponents and Mixing in Stochastic Fluid Flow. Part III* + **Samuel Punshon-Smith**, Member, School of Mathematics

May 6

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar + *Tate Homology and Powered Flybys* + **Kevin Ruck**, Augsburg University

May 9

Computer Science/Discrete Mathematics Seminar I + *Polynomial Bounds on Parallel Repetition for all 3-Player Games with Binary Inputs* + **Kunal Mittal**, Princeton University

May 10

Computer Science/Discrete Mathematics Seminar II + *Association Schemes and Codes I: The Delsarte Linear Program* + **Leonardo Coregiano**, Member, School of Mathematics

Seminar in Analysis and Geometry + *Remarks on the Long-Time Dynamics of 2D Euler* + **Theodore Dimitrios Drivas**, Member, School of Mathematics

May 12

Floer Learning Seminar

The Celebration of Women in Mathematics + *Bounds for Subsets of $\mathbb{F}_p^n \times \mathbb{F}_p^n$ Without L-Shaped Configurations* + **Sarah Peluse**, Veblen Research Instructor, School of Mathematics

May 16

Computer Science/Discrete Mathematics Seminar I + *Thresholds* + **Jinyoung Park**, Stanford University

Members' Colloquium + *Thresholds* + **Jinyoung Park**, Stanford University

May 17

Computer Science/Discrete Mathematics Seminar II + *Association Schemes and Codes II: Completeness of the Hierarchy of High-Order Hamming Schemes* + **Leonardo Coregiano**, Member, School of Mathematics

May 19

Floer Learning Seminar

Joint IAS/Princeton University Number Theory Seminar + *Branching Laws: Homological Aspects* + **Dipendra Prasad**, Indian Institute of Technology

May 20

Joint IAS/Princeton/Montreal/Paris/Tel Aviv Symplectic Geometry Zoominar + *Gamma-Support, Gamma-Coisotropic Subsets and Application* + **Claude Viterbo**, Université de Paris-Sud

May 22

2022 Program for Women and Mathematics: The Mathematics of Machine Learning + *Terng Lecture Course Preview* + **Lesia Semenova**, Duke University

2022 Program for Women and Mathematics: The Mathematics of Machine Learning + *Uhlenbeck Lecture Course Preview* + **Ellen Vitercik**, University of California, Berkeley

May 23

2022 Program for Women and Mathematics: The Mathematics of Machine Learning + *Terng Lecture: Introduction to Interpretable Machine Learning* + **Cynthia Rudin**, Duke University

2022 Program for Women and Mathematics: The Mathematics of Machine Learning + *Uhlenbeck Lecture: Foundations for Learning in the Age of Big Data* + **Maria Florina Balcan**, Carnegie Mellon University

2022 Program for Women and Mathematics: The Mathematics of Machine Learning + *Colloquium: Learning Generalizable Visual Representations* + **Kate Saenko**, Boston University

2022 Program for Women and Mathematics: The Mathematics of Machine Learning + *Review Sessions*

2022 Program for Women and Mathematics: The Mathematics of Machine Learning + *Young Researcher Seminar*

May 24

2022 Program for Women and Mathematics: The Mathematics of Machine Learning + *Terng Lecture: Introduction to Interpretable Machine Learning* + **Cynthia Rudin**, Duke University

2022 Program for Women and Mathematics:
The Mathematics of Machine Learning +
*Uhlenbeck Lecture: Foundations for Learning in the
Age of Big Data* + **Maria Florina Balcan**,
Carnegie Mellon University

2022 Program for Women and Mathematics:
The Mathematics of Machine Learning +
*Interpreting Deep Neural Networks towards
Trustworthiness* + **Bin Yu**, University of
California, Berkeley

Program for Women and Mathematics: The
Mathematics of Machine Learning + *Review
Sessions*

2022 Program for Women and Mathematics:
The Mathematics of Machine Learning + *Stop
Explaining Black Box Machine Learning Models for
High Stakes Decisions and Use Interpretable Models
Instead* + **Cynthia Rudin**, Duke University

2022 Program for Women and Mathematics:
The Mathematics of Machine Learning +
Young Researcher Seminar

May 26

2022 Program for Women and Mathematics:
The Mathematics of Machine Learning +
*Terng Lecture: Introduction to Interpretable Machine
Learning* + **Cynthia Rudin**, Duke University

May 26

2022 Program for Women and Mathematics:
The Mathematics of Machine Learning +
*Uhlenbeck Lecture: Foundations for Learning in
the Age of Big Data* + **Maria Florina Balcan**,
Carnegie Mellon University

2022 Program for Women and Mathematics:
The Mathematics of Machine Learning +
*Stochastic Gradient Descent: Where Optimization
Meets Machine Learning* + **Rachel Ward**, The
University of Texas at Austin

2022 Program for Women and Mathematics:
The Mathematics of Machine Learning +
Review Sessions

2022 Program for Women and Mathematics:
The Mathematics of Machine Learning +
Young Researcher Seminar

Floer Learning Seminar

May 27

2022 Program for Women and Mathematics:
The Mathematics of Machine Learning +
*Terng Lecture: Introduction to Interpretable Machine
Learning* + **Cynthia Rudin**, Duke University

2022 Program for Women and Mathematics:
The Mathematics of Machine Learning +
*Uhlenbeck Lecture: Foundations for Learning in
the Age of Big Data* + **Maria Florina Balcan**,
Carnegie Mellon University

2022 Program for Women and Mathematics:
The Mathematics of Machine Learning +
Young Researcher Seminar

Joint IAS/Princeton/Montreal/Paris/Tel Aviv
Symplectic Geometry Zoominar + *Three
20-minute Research Talks* + **Daniel Rudolf**, Ruhr-
Universität Bochum; **Miguel Pereira**, Augsburg
University; **Maksim Stokić**, Tel Aviv University

June 3

Joint IAS/Princeton/Montreal/Paris/Tel Aviv
Symplectic Geometry Zoominar + *Integer-valued
Gromov-Witten Type Invariants* + **Guangbo Xu**,
Texas A&M University

June 17

Joint IAS/Princeton/Montreal/Paris/Tel Aviv
Symplectic Geometry Zoominar + *Locality and
Deformations in Relative Symplectic Cohomology* +
Yoel Groman, The Hebrew University of
Jerusalem

June 21

50 Years of Number Theory and Random
Matrix Theory Conference + *Opening Remarks* +
Jon Keating, Institute for Advanced Study

50 Years of Number Theory and Random
Matrix Theory Conference + *Statistical Mechanics
Arising from Random Matrix Theory* + **Thomas
Spencer**, Professor Emeritus, School of
Mathematics

50 Years of Number Theory and Random
Matrix Theory Conference + *The Distribution
of Values of Zeta and L-functions* + **Kannan
Soundararajan**, Stanford University

50 Years of Number Theory and Random
Matrix Theory Conference + *Large Sieve
Inequalities for Families of L-functions* + **Matt
Young**, Texas A&M University

June 22

50 Years of Number Theory and Random
Matrix Theory Conference + *Number Theoretic
Aspects of Multiplicative Chaos* + **Adam Harper**,
University of Warwick

50 Years of Number Theory and Random
Matrix Theory Conference + *Gaussian
Multiplicative Chaos: Applications and Recent
Developments* + **Nina Holden**, ETH Zurich

50 Years of Number Theory and Random
Matrix Theory Conference + *A Few Results
and Conjectures on Some Product-Ratio Correlation
Functions of Characteristic Polynomials of Beta-
Hermite Ensembles* + **Yan Fyodorov**, King's
College London

50 Years of Number Theory and Random
Matrix Theory Conference + *The Fyodorov-
Hiary-Keating Conjecture* + **Louis Pierre Arguin**,
The City University of New York

50 Years of Number Theory and Random
Matrix Theory Conference + *Large Deviation
Estimates for Selberg's Central Limit Theorem,
Applications, and Numerics* + **Emma Bailey**,
The City University of New York

June 23

50 Years of Number Theory and Random
Matrix Theory Conference + *RMT Statistics in
Number Theory and in Quantum Chaos* + **Zeev
Rudnick**, Tel Aviv University

50 Years of Number Theory and Random
Matrix Theory Conference + *Half-Isolated Zeros
and Zero-Density Estimates* + **Kyle Pratt**,
University of Oxford

50 Years of Number Theory and Random
Matrix Theory Conference + *The Recipe for
Moments of L-Functions and Characteristic
Polynomials of Random Matrices* + **Sieg Baluyot**,
American Institute of Mathematics

50 Years of Number Theory and Random
Matrix Theory Conference + *Negative Moments
of the Riemann Zeta Function* + **Alexandra
Florea**, University of California, Irvine

June 24

50 Years of Number Theory and Random
Matrix Theory Conference + *Moments and
Bounds for L-Functions of Large Degree* + **Paul
Nelson**, Member, School of Mathematics

50 Years of Number Theory and Random
Matrix Theory Conference + *Sums of Certain
Arithmetic Functions over $\mathbb{F}_q[T]$ and Non-Unitary
Distributions* + **Matilde Lalin**, Université de
Montréal

50 Years of Number Theory and Random
Matrix Theory Conference + *Moments of Large
Families of Dirichlet L-Functions* + **Vorrapan
Chandee**, Kansas State University

Joint IAS/Princeton/Montreal/Paris/Tel Aviv
Symplectic Geometry Zoominar + *The Ruelle
Invariant and Convexity in Higher Dimensions* +
Julian Chaidez, Member, School of
Mathematics

School of Natural Sciences

ASTROPHYSICS

July 19

Princeton University/Institute for Advanced
Study Early Universe/Cosmology Lunch
Discussion + *The clustering of galaxies in the
completed SDSS-IV extended Baryon Oscillation
Spectroscopic Survey: Primordial non-Gaussianity in
Fourier Space* + **Giovanni Cabass**, Member,
School of Natural Sciences

August 30

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Deep learning insights into cosmological structure formation* + **Luisa Lucie-Smith**, Max-Planck-Institut für Astrophysik

September 7

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *Cosmic magnetism from a computational perspective* + **Romain Teyssier**, Princeton University

September 9

Institute for Advanced Study Astrophysics Seminar + *Fundamental Physics of Dark Matter from Dwarf Galaxy Surveys* + **Yao-Yuan Mao**, Rutgers University–New Brunswick

September 13

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Using a Neural Network Classifier to Select Galaxies with the Most Accurate Photometric Redshifts* + **Adam Broussard**, Rutgers University–New Brunswick

September 14

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *Soft Astronomy* + **Alice Quillen**, University of Rochester

September 16

Institute for Advanced Study Astrophysics Seminar + *Stellar spin-orbit misalignment* + **Joshua Winn**, Princeton University

September 20

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Updated cosmological constraints on Macroscopic Dark Matter* + **Luca Caloni**, Università degli Studi di Ferrara

September 21

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *New views on the Milky Way* + **Amina Helmi**, University of Groningen

September 23

Institute for Advanced Study Astrophysics Seminar + *Fundamental cosmology with galaxy redshift surveys* + **Mikhail Ivanov**, Member, School of Natural Sciences

September 27

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Forward modeling in the era of cosmological surveys* Topic 2: *Multi-wavelength cluster mass estimation with machine learning* + **Boryana Hadzhiyska**, Center for Astrophysics, Harvard University + *Multi-wavelength cluster mass estimation with machine learning* + **Digvijay Wadekar**, Member, School of Natural Sciences

September 28

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *All you need is a Normalizing Flow* + **Uros Seljak**, University of California, Berkeley

September 30

Institute for Advanced Study Astrophysics Seminar + *Mapping Matter in Strong Gravity: Spectral-Timing of Black Holes and Neutron Stars* + **Abigail Stevens**, Michigan State

October 4

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Baryonic effects in the Effective Field Theory of Large-Scale Structure and an analytic recipe for lensing in CMB-S4* + **Matthew Lewandowski**, Northwestern University

October 5

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *The PAH Revolution: Cold, Dark Carbon at the Earliest Stages of Star Formation* + **Brett McGuire**, Massachusetts Institute of Technology

October 7

Institute for Advanced Study Astrophysics Seminar + *“Observing” Jet/Accretion Flow/Black Hole (JAB) Simulations (Now with Positrons!)* + **Richard Anantua**, Center for Astrophysics, Harvard University

October 11

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Assembly bias in quadratic bias parameters from forward modeling* + **Titouan Lazeyras**, Scuola Internazionale Superiore di Studi Avanzati + *Galactic-Scale Tests of Fundamental Physics* + **Deaglan Bartlett**, University of Oxford

October 12

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *Gemini Observatory in the 2020s* + **Jennifer Lotz**, Space Telescope Science Institute

October 14

Institute for Advanced Study Astrophysics Seminar + *Undetected Black Holes: Far and Near* + **Fabio Pacucci**, Center for Astrophysics, Harvard University

October 18

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Topic 1: N-point Correlation Functions—Work in Progress and Outlook* Topic 2: *Anisotropies of icosahedral inflation* + **Jiamin Hou**, University of Florida; **Guanhao Sun**, Columbia University

October 21

Institute for Advanced Study Astrophysics Seminar + *Probing magnetic field direction and strength in interstellar medium, galactic center and clusters of galaxies* + **Alex Lazarian**, University of Wisconsin–Madison

October 25

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Numerical Construction of Wave Dark Matter Halos* + **Tomer Yavetz**, Kavli Institute for Cosmology, Cambridge

October 26

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *Implications, Tests, and Unsolved Problems in Cosmic Ray Feedback* + **Ellen Zweibel**, University of Wisconsin–Madison

October 28

Institute for Advanced Study Astrophysics Seminar + *Magnetized Models for the Formation of the Moon* + **Patrick Dean Mullen**, Member, School of Natural Sciences

November 1

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Resolving Debate Over the Tip of the Red Giant Branch Method’s Calibration and its Application to Measuring the Hubble Constant* + **Taylor Hoyt**, University of Chicago + *The CAMELS-SAM simulations: new ‘hump’ for constraining cosmology with galaxy clustering and neural networks* + **Lucia Perez**, Arizona State University

November 2

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *Magnetism in planet-forming disks and the solar nebula* + **Xuening Bai**, Tsinghua University

November 4

Institute for Advanced Study Astrophysics Seminar + *Using (Galactic) Supernova Remnants to Study Supernova Progenitors* + **Chris Kochanek**, Ohio State University

November 15

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Potential new insights about reionization from the cosmic microwave background and the Lyman alpha forest* + **Xiaohan Wu**, Center for Astrophysics, Harvard University + *Massive-neutrino Perturbations without the Boltzmann Hierarchy* + **Lingyan Ji**, Johns Hopkins University

November 16

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *Astrophysics of white dwarfs in the era of modern surveys* + **Nadia Zakamska**, Johns Hopkins University; Member, School of Natural Sciences

November 18

Institute for Advanced Study Astrophysics Seminar + *Dynamical Evolution of Binaries in Star Clusters and Galaxies* + **Chris Hamilton**, Member, School of Natural Sciences

November 22

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Could quasar lensing time-delays hint to a core component in halos, instead of H0 tension?* + **Kfir Blum**, CERN + *AGN Variability and HEAN in the age of VRO* + **Cyril Creque-Sarbinowski**, Johns Hopkins University

November 23

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *Cosmology from weak lensing—is lensing low?* + **Alexandra Amon**, Stanford University, KIPAC

November 29

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Weak lensing: globally optimal estimator and a new probe of the high-redshift Universe* + **Abhishek Maniyar**, New York University + *Hidden symmetries of black holes and the vanishing of the Love numbers* + **Luca Santoni**, Abdus Salam International Centre for Theoretical Physics

November 30

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *Mars: History of a Habitable World and Lessons for Terrestrial Planet Evolution* + **Bethany Ehlmann**, California Institute of Technology

December 2

Institute for Advanced Study Astrophysics Seminar + *The Observational Quest for Transiting Exomoons* + **David Kipping**, Columbia University

December 6

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Seeking solutions for the Hubble tension* + **Meng-Xiang Lin**, Kavli Institute for Cosmological Physics, University of Chicago + *Likelihood approximations for (future) large angular scale CMB data* + **Roger de Belsunce**, Kavli Institute for Cosmology, Cambridge

December 9

Institute for Advanced Study Astrophysics Seminar + *3D magnetic field observations associated with filamentary molecular clouds* + **Mehrnnoosh Tahani**, Dominion Radio Astrophysical Observatory (DRAO)

December 16

Institute for Advanced Study Astrophysics Seminar + *Black hole catalysis of false vacuum decay: The semiclassical decay rate and importance of greybody factors* + **Sergey Sibiryakov**, Perimeter Institute

January 24

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Finding Evidence of Inflation and Galactic Magnetic Fields with CMB Surveys* + **Sayan Mandal**, Stony Brook University

January 25

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *New Frontiers of Short Wavelength Exploration: From Astromineralogy to Exoplanet* + **Lia Corrales**, University of Michigan

January 27

Institute for Advanced Study Astrophysics Seminar + *Cosmology with compact binary coalescences* + **Jose Maria Ezquiaga**, University of Chicago

February 1

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *A Galaxy Property Census with Line Intensity Mapping* + **Anthony Pullen**, New York University

February 7

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *The Kinetic Sunyaev-Zeldovich Effect with Projected Fields* + **Boris Bolliet**, Columbia University

February 8

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *The Chiral Universe* + **Stephon Alexander**, Brown University

February 10

Institute for Advanced Study Astrophysics Seminar + *Improving astrophysical scaling relations with machine learning* + **Digvijay Wadekar**, Member, School of Natural Sciences

February 15

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *Learning Symbolic Equations with Deep Learning* + **Shirley Ho**, Flatiron Institute

February 22

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *Cosmic Ray Acceleration by Magnetic Reconnection: Probing Extreme Energies and the Origin of Gamma-Ray and Neutrino Emission from Black Holes and Relativistic Jets of Active Galaxies* + **Elisabete M. de Gouveia Dal Pino**, Universidade de Sao Paulo

February 24

Institute for Advanced Study Astrophysics Seminar + *Tides in the high-eccentricity migration of hot Jupiters: effects of nonlinear mode interaction* + **Hang Yu**, California Institute of Technology

March 1

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *Pathways to Earth-Mass Planets with Precision Spectroscopy* + **Suvrath Mahadevan**, Pennsylvania State University

March 15

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *Satellite Swarms vs. Astronomy and the Night Sky* + **James Lowenthal**, Smith College

March 17

Institute for Advanced Study Astrophysics Seminar + *Core-collapse Supernovae as a Probe of New Physics* + **Andrea Caputo**, Tel Aviv University; Weizmann Institute of Science

March 21

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Deep Learning the Dark Sector* + **Michael Toomey**, Brown University

March 22

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *The birth of the first massive galaxies and black holes* + **Eduardo Bañados**, Max-Planck-Institut für Astronomie

March 24

Institute for Advanced Study Astrophysics Seminar + *Collider tools for classical gravity* + **Julio Parra Martinez**, California Institute of Technology

March 28

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Is the Stellar Initial Mass Function Truly Universal?* + **Charles Steinhardt**, Dark Cosmology Centre, Niels Bohr Institute, University of Copenhagen + *A Stimulating Explanation of the Extragalactic Radio Excess* + **Andrea Caputo**, Tel Aviv University

March 29

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *Searching for axion-like particles with X-ray observations of galaxy clusters* + **Christopher Reynolds**, University of Cambridge

March 31

Institute for Advanced Study Astrophysics Seminar + *Galaxies Far, Far Away: Modeling challenges for precision weak lensing and combined-probe cosmology* + **Jonathan Blazek**, Northeastern University

April 4

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *The two-loop bispectrum of large-scale structure* + **Petter Taule**, Technische Universität

München + *Theoretical modeling of probability distribution function for cosmological counts in cell* + **Anton Chudaykin**, McMaster University

April 5

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *The Baryon Cycle in Dwarf-Dwarf Mergers: Fueling Hierarchical Assembly* + **Sabrina Stierwalt**, Occidental College

April 7

Institute for Advanced Study Astrophysics Seminar + *Alien Oceans: The Search for Life in the Depths of Space* + **Kevin Hand**, California Institute of Technology

April 11

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Backpropagating" the gravitational wave population* + **Kaze Wong**, Center for Computational Astrophysics, Flatiron Institute + *Measuring the Hubble rate using the equality scale with present and future galaxy surveys* + **Gerrit Farren**, University of Cambridge

April 12

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *The Wild West of Nuclear Transients* + **Suvi Gezari**, Space Telescope Science Institute

April 14

Institute for Advanced Study Astrophysics Seminar + *Black hole searches for ultralight bosons* + **Masha Baryakhtar**, University of Washington

April 18

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Publication trends in Astrophysics—before and during COVID* + **Vanessa Boehm**, University of California, Berkeley

April 19

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *The Atmosphere-Interior Connection of Super-Earths and Sub-Neptunes: From Formation and Evolution to Observations* + **Hilke Schlichting**, University of California, Los Angeles

April 21

Institute for Advanced Study Astrophysics Seminar + *Ultralight Dark Matter and Cosmological Condensed Matter Physics* + **Evan McDonough**, University of Winnipeg

April 25

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Probing the Universe's expansion and the origin of compact object binaries with multi-messenger astronomy* + **Antonella Palmese**, University of California, Berkeley

April 28

Institute for Advanced Study Astrophysics Seminar + *Not your grandparents' binary stars* + **Hsiang-Chih Hwang**, Member, School of Natural Sciences

May 2

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Traces of a Heavy Field in Gravitational Waves* + **Keisuke Inomata**, KICP + *Aligning the Cosmic Web: Superclustering at the intersection of ACT+DES data and simulations* + **Matrine Lokken**, University of Toronto

May 9

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *COSMOPOWER: Machine Learning—accelerated Bayesian inference from next-generation cosmological surveys* + **Satya Gontcho A Gontcho**, Lawrence Berkeley National Laboratory, University of California, Berkeley

May 12

Institute for Advanced Study Astrophysics Seminar + *Neutrino Quantum Kinetics in Neutron Star Mergers* + **Sherwood Richers III**, University of California, Berkeley

May 16

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Testing the equivalence principle in the dark sector* + **Emanuele Castorina**, Università degli Studi di Milano

May 17

Institute for Advanced Study Astrophysics Seminar + *Lessons from Astrophysical Models of Sgr A* and the Event Horizon Telescope* + **George Wong**, Member, School of Natural Sciences

May 19

Institute for Advanced Study Astrophysics Seminar + *Stellar Basins* + **Ken Van Tilburg**, New York University

May 23

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Gravitational Waves from the Dark Side of the Universe* + **Laura Sagunski**, Johann Wolfgang Goethe-Universität Frankfurt am Main

May 26

Institute for Advanced Study Astrophysics Seminar + *New test of the black hole metric with EHT images of Sgr A** + **Lia Medeiros**, Member, School of Natural Sciences

HIGH ENERGY THEORY

September 8

Joint Course with TIFR and IAS + *The Quantum Phases of Matter* + **Subir Sachdev**, Harvard University; Distinguished Visiting Professor, School of Natural Sciences

September 13

Joint Course with TIFR and IAS + *The Quantum Phases of Matter* + **Subir Sachdev**, Harvard University; Distinguished Visiting Professor, School of Natural Sciences

September 15

Joint Course with TIFR and IAS + *The Quantum Phases of Matter* + **Subir Sachdev**, Harvard University; Distinguished Visiting Professor, School of Natural Sciences

Physics Group Meeting + *New Heavy Exotics* + **Marek Karliner**, Tel Aviv University

September 17

High Energy Theory Seminar + *The Euclidean Path Integral in Supergravity* + **Gustavo Joaquin Turiaci**, Member, School of Natural Sciences

September 20

Joint Course with TIFR and IAS—The Quantum Phases of Matter + *Electron Hubbard Model: Luttinger Theorem, Antiferromagnetism, and d-wave Superconductivity* + **Subir Sachdev**, Harvard University; Distinguished Visiting Professor, School of Natural Sciences

High Energy Theory Seminar + *Celestial Operator Product Expansions and $w_{1+\infty}$ Symmetry for All Spins* + **Monica Pate**, Harvard University

September 22

Joint Course with TIFR and IAS—The Quantum Phases of Matter + *Antiferromagnetism and Superconductivity in the Electron Hubbard Model* + **Subir Sachdev**, Harvard University; Distinguished Visiting Professor, School of Natural Sciences

Physics Group Meeting + *Possible Transition Between String Scale Black Holes and Self-gravitating Fundamental Strings* + **Juan Maldacena**, Carl P. Feinberg Professor, School of Natural Sciences

September 23

Black Holes & Quantum Information Group Meeting + *Informal Discussion on Black Holes and Qubits* + **Yiming Chen**, Princeton University; **Joaquin Turiaci**, Member, School of Natural Sciences

September 24

High Energy Theory Seminar + *Small Cosmological Constants in String Theory* + **Liam McAllister**, Cornell University

September 27

Joint Course with TIFR and IAS—The Quantum Phases of Matter + *Antiferromagnetism in Metals* + **Subir Sachdev**, Harvard University; Distinguished Visiting Professor, School of Natural Sciences

High Energy Theory Seminar + *The Anomaly that was not meant IIB* + **Miguel Montero**, Harvard University

September 29

Joint Course with TIFR and IAS—The Quantum Phases of Matter + *Paramagnon Theory of Metals* + **Subir Sachdev**, Harvard University; Distinguished Visiting Professor, School of Natural Sciences

Physics Group Meeting + *Non-supersymmetric Smooth Solitonic Solutions in Einstein-Maxwell Type Theories* + **Ibrahima Bah**, Johns Hopkins University; Member, School of Natural Sciences

September 30

Black Holes & Quantum Information Group Meeting + *Entanglement Wedge Cross Section and the Markov Gap* + **Nima Lashkari**, Purdue University; Member, School of Natural Sciences

October 4

Joint Course with TIFR and IAS—The Quantum Phases of Matter + *Resonating Valence Bonds and the Z2 Spin Liquid* + **Subir Sachdev**, Harvard University; Distinguished Visiting Professor, School of Natural Sciences

High Energy Theory Seminar + *Quantum Circuits, Cellular Automata and Tensor Networks* + **Ignacio Cirac**, Max-Planck-Institut für Quantenoptik

October 6

Joint Course with TIFR and IAS—The Quantum Phases of Matter + *Resonating Valence Bonds and the Z2 Spin Liquid* (continued) + **Subir Sachdev**, Harvard University; Distinguished Visiting Professor, School of Natural Sciences

Physics Group Meeting + *Preparation and Verification of Tensor Network States* + **Ignacio Cirac**, Max-Planck-Institut für Quantenoptik

October 8

High Energy Theory Seminar + *Sequential Discontinuities of Scattering Amplitudes* + **Hólmfríður Hannesdóttir**, Member, School of Natural Sciences

October 11

Joint Course with TIFR and IAS—The Quantum Phases of Matter + *Z2 Spin Liquids and Z2 Gauge Theories* + **Subir Sachdev**, Harvard University; Distinguished Visiting Professor, School of Natural Sciences

October 13

Joint Course with TIFR and IAS—The Quantum Phases of Matter + *Z2 Spin Liquids and Z2 Gauge Theories (continued)* + **Subir Sachdev**, Harvard University; Distinguished Visiting Professor, School of Natural Sciences

Physics Group Meeting + *Gravity and Integrability* + **Robert Penna**, Member, School of Natural Sciences

October 14

Black Holes & Quantum Information Group Meeting + *Generalised Entanglement Wedges* + **Geoff Penington**, University of California, Berkeley; Junior Visiting Professor, School of Natural Sciences

October 18

Joint Course with TIFR and IAS—The Quantum Phases of Matter + *Z2 Gauge Theory: Anyon Condensation; Experiments on Rydberg Atoms* + **Subir Sachdev**, Harvard University; Distinguished Visiting Professor, School of Natural Sciences

High Energy Theory Seminar + *The Onset of Quantum Chaos in Disordered Systems* + **Adar Sharon**, Weizmann Institute of Science

October 19

Physics Informal Talk + *Gravity Without Averaging* + **Jorrit Kruthoff**, Stanford University

October 20

Joint Course with TIFR and IAS—The Quantum Phases of Matter + *Chiral Spin Liquid* + **Subir Sachdev**, Harvard University; Distinguished Visiting Professor, School of Natural Sciences

Physics Group Meeting + *The Principles of Deep Learning Theory* + **Dan Roberts**, Massachusetts Institute of Technology; Salesforce

October 21

Black Holes & Quantum Information Group Meeting + *Quantum Gravity from Probability* + **S. Josephine Suh**, Kavli Institute for Theoretical Physics, University of California, Santa Barbara

October 22

High Energy Theory Seminar + *Old and New Physics Prospects for q-Virasoro* + **Nathan Haouzi**, Member, School of Natural Sciences

October 25–26

Workshop on Ultra-Quantum Matter + *Short Talks* + **Leon Balents**, Kavli Institute for Theoretical Physics, University of California, Santa Barbara; **Xie Chen**, California Institute of Technology; **Victor Galitski**, University of Maryland; **Ashvin Vishwanath**, Harvard University + *Short Talks* + **Michael Hermele**, University of Colorado Boulder; **Andreas Karch**, The University of Texas at Austin; **Senthil Todadri**, Massachusetts Institute of Technology + *Short Talks* + **Etienne Granet**,

University of Chicago; **Baurzhan Mukhametzhanov**, Member, School of Natural Sciences; **Wilbur Shirley**, Member, School of Natural Sciences; **Lev Spodyneiko**, Massachusetts Institute of Technology; **David Stephen**, University of Colorado Boulder; California Institute of Technology; **Ruben Verresen**, Harvard University + *Short Talks* + **Michael Levin**, University of Chicago; **Victor Gurarie**, University of Colorado Boulder; **Nathan Seiberg**, Professor, School of Natural Sciences; **Dam Thanh Son**, University of Chicago + *Short Talks* + **Matthew Fisher**, University of California, Santa Barbara; **John McGreevy**, University of California, San Diego; **Subir Sachdev**, Harvard University; Distinguished Visiting Professor, School of Natural Sciences; **Xiao-Gang Wen**, Massachusetts Institute of Technology

October 25

High Energy Theory Seminar + *Lattice Edge Theories for Topological Phases of Matter* + **Michael Levin**, University of Chicago

October 26

Special High Energy Theory Seminar + *Spacetime and Quantum Mechanics; Particles and “Strings”; Polytopes, Binary Geometries and Quiver Categories* + **Nima Arkani-Hamed**, Professor, School of Natural Sciences

October 27

Physics Group Meeting + *A Toolkit for Infinite Dimensional Symmetries* + **Lisa Carbone**, Rutgers University–New Brunswick; Member, School of Natural Sciences

October 28–29

Informal Physics Talks + *A Guided Tour Through the Theory of Deep Learning* + **Michael Douglas**, Center of Mathematical Sciences and Applications, Harvard University

October 29

High Energy Theory Seminar + *The Area Operator in Gravity and Holography* + **Venkatesa Chandrasekaran**, Member, School of Natural Sciences

November 1

Joint Course with TIFR and IAS—The Quantum Phases of Matter + *Chiral Spin Liquid and Fractional Quantum Hall States* + **Subir Sachdev**, Harvard University; Distinguished Visiting Professor, School of Natural Sciences

November 2

Amplitudes Group Meeting + *Epsilon Factorized Differential Equations for Feynman Integrals in Elliptic Sectors* + **Hjalte Frellesvig**, Niels Bohr Institute, University of Copenhagen

November 3

Joint Course with TIFR and IAS—The Quantum Phases of Matter + *The Kondo Impurity Model* + **Subir Sachdev**, Harvard University; Distinguished Visiting Professor, School of Natural Sciences

Physics Group Meeting + *Heavy Exotic Mesons* + **Angelo Esposito**, Member, School of Natural Sciences

November 4

Black Holes & Quantum Information Group Meeting + *Krylov Complexity* + **Alexandre Streicher**, Member, School of Natural Sciences

November 8

Joint Course with TIFR and IAS—The Quantum Phases of Matter + *Kondo Impurity and Lattice Models* + **Subir Sachdev**, Harvard University; Distinguished Visiting Professor, School of Natural Sciences

November 9

Amplitudes Group Meeting + *Monopole Catalysis from Scattering Amplitudes* + **Ofri Telem**, Lawrence Berkeley National Laboratory, University of California, Berkeley

November 10

Joint Course with TIFR and IAS—The Quantum Phases of Matter + *Kondo Impurity and Lattice Models (continued)* + **Subir Sachdev**, Harvard University; Distinguished Visiting Professor, School of Natural Sciences

Physics Group Meeting + *Bootstrapping Automorphic Spectra* + **Dalimil Mazac**, Member, School of Natural Sciences

November 11

Black Holes & Quantum Information Group Meeting + *Late Time Chaos and Causal Symmetry Breaking* + **Phil Saad**, Member, School of Natural Sciences

November 12

High Energy Theory Seminar + *The Uses of Zeta-Instantons* + **Ahsan Z. Khan**, Member, School of Natural Sciences

November 15

Joint Course with TIFR and IAS—The Quantum Phases of Matter + *Kondo Lattice Models and the Heavy Fermi Liquid* + **Subir Sachdev**, Harvard University; Distinguished Visiting Professor, School of Natural Sciences

November 16

Amplitudes Group Meeting + *The Duals of Feynman Integrals* + **Andrzej Pokraka**, McGill University

November 17

Joint Course with TIFR and IAS—The Quantum Phases of Matter + *The Luttinger Relation and the Fractionalized Fermi Liquid* +

Subir Sachdev, Harvard University; Distinguished Visiting Professor, School of Natural Sciences

Physics Group Meeting + *Quantum Error-Correcting Codes and CFTs* + **Alfred Shapere**, University of Kentucky; Member, School of Natural Sciences

November 18

Black Holes & Quantum Information Group Meeting + *Remarks on a Paper of Liu and Leutheusser* + **Edward Witten**, Charles Simonyi Professor, School of Natural Sciences

November 23

Amplitudes Group Meeting + *(2,2) Scattering and the Celestial Torus* + **Adam Ball**, Harvard University

November 29

Joint Course with TIFR and IAS—The Quantum Phases of Matter + *The Non-Perturbative Luttinger Relations* + **Subir Sachdev**, Harvard University; Distinguished Visiting Professor, School of Natural Sciences

November 30

Amplitudes Group Meeting + *Unitarity, Positivity and the Information-theoretic Constraints in QFT* + **Nima Lashkari**, Purdue University; Member, School of Natural Sciences

December 1

Joint Course with TIFR and IAS—The Quantum Phases of Matter + *The SYK Model* + **Subir Sachdev**, Harvard University; Distinguished Visiting Professor, School of Natural Sciences

Physics Group Meeting + *Wick Rotation and the Positivity of Energy in Quantum Field Theory* + **Graeme Segal**, University of Oxford

December 2

Black Holes & Quantum Information Group Meeting + *Non-Locality in Quantum Gravity* + **Ahmed Almheiri**, Member, School of Natural Sciences

December 3

Joint Course with TIFR and IAS—The Quantum Phases of Matter + *The SYK Model (continued)* + **Subir Sachdev**, Harvard University; Distinguished Visiting Professor, School of Natural Sciences

December 6

Joint Course with TIFR and IAS—The Quantum Phases of Matter + *The SYK Model (continued)* + **Subir Sachdev**, Harvard University; Distinguished Visiting Professor, School of Natural Sciences

December 6–8

Workshop on Quantum Information and Spacetime + *Bending the Padic Tensor Network and Emergent Einstein Equation* + **Ling-Yan (Janet)**

Hung, Fudan University + *Quantum Complexity of Experiments* + **Jordan Cotler**, Harvard University + *Proofs of Two Brown-and-Susskind Complexity Conjectures* + **Nicole Yunger**

Halpern, National Institute of Standards and Technology, University of Maryland + *On Estimating the Entropy of Shallow Circuit Outputs* + **Andru Gheorghiu**, ETH Zürich + *Tensor Network and Approximate Holographic Codes* +

ChunJun (Charles) Cao, University of Maryland + *Lorentzian Threads and Holographic Complexity* + **Juan Pedraza**, University of Barcelona + *Spin Glasses and Holography* +

Felix M. Haehl, Member, School of Natural Sciences + *Topological Pseudo Entropy* + **Tatsuma Nishioka**, Yukawa Institute for Theoretical

Physics, Kyoto University + *Branching Time in SYK-like Models* + **Pengfei Zhang**, California Institute of Technology + *Quantum Circuit and Collisions in the Black Hole Interior* + **Ying Zhao**,

University of California, Santa Barbara + *Late Time von Neumann Entropy and Measurement-induced Phase Transition* + **Shaokai Jian**, Brandeis University + *Comments on Wormholes and Factorization* + **Phil Saad**, Member, School of

Natural Sciences + *Gravity Factorized* + **Jorrit Kruthoff**, Stanford University + *The Volume of the Black Hole Interior at Late Times* + **Luca Iliesiu**,

Stanford University + *Failure of the Split Property in Gravity and the Information Paradox* + **Suvrat Raju**, International Centre for Theoretical Sciences, Bengaluru + *A Page-like Transition in Quantum Cosmology* + **Thomas**

Hertog, Katholieke Universiteit Leuven + *Island Finder and Singularity Theorem* + **Arvin Shahbazi-Moghaddam**, Stanford University + *Scattering Strings Off Quantum Extremal Surfaces* + **Adam**

Levine, Member, School of Natural Sciences + *One-Shot Holography* + **Geoff Penington**, University of California, Berkeley; Junior

Visiting Professor, School of Natural Sciences + *Charge Fluctuation Entropy of Hawking Radiation: A Replica-free Way to Find Large Entropy* + **Alexey Milekhin**, University of California, Santa Barbara

December 8

Joint Course with TIFR and IAS—The Quantum Phases of Matter + *Fermi Surfaces without Quasiparticles* + **Subir Sachdev**, Harvard University; Distinguished Visiting Professor, School of Natural Sciences

December 10

Joint Course with TIFR and IAS—The Quantum Phases of Matter + *Fermi Surfaces without Quasiparticles (continued)* + **Subir Sachdev**, Harvard University; Distinguished Visiting Professor, School of Natural Sciences

December 15

Physics Group Meeting + *AdS3/CFT2 and Integrability* + **Alessandro Sfondrini**, University of Padova; Member, School of Natural Sciences

December 20

High Energy Theory Seminar + *A New Look at Completeness and Generalized Symmetries* + **Javier Magan**, University of Pennsylvania

January 11

Amplitudes Group Meeting + *Geometric Soft Theorems* + **Julio Parra-Martinez**, California Institute of Technology

January 13

Black Holes & Quantum Information Group Meeting + *Introduction to One Shot Quantum Shannon Theory* + **Geoff Penington**, University of California, Berkeley; Junior Visiting Professor, School of Natural Sciences

January 19

Physics Group Meeting + *Multipartitioning Topological Phases and Quantum Entanglement* + **Shinsei Ryu**, Princeton University

January 20

Black Holes & Quantum Information Group Meeting + *Possible Versions of the “Central Dogma” in de Sitter Space* + **Edgar Shaghoulian**, University of Pennsylvania

January 27

Black Holes & Quantum Information Group Meeting + *Probing the Black Hole Interior via the OPE* + **Herman Verlinde**, Princeton University

February 1

Amplitudes Group Meeting + *String Perturbation Theory for Dummies* + **Lorenz Eberhardt**, Member, School of Natural Sciences

February 7

High Energy Theory Seminar + *Scattering Amplitudes in Gauge Theory as Chiral Algebra Correlators* + **Kevin Costello**, Perimeter Institute

February 8

Amplitudes Group Meeting + *Einstein Yang-Mills Amplitudes from Intersection of Twisted Forms* + **Pouria Mazloumi**, Max-Planck-Institut für Physik

February 9

Physics Group Meeting + *Harnessing S-duality in N=4 SYM and in Gravity* + **Scott Collier**, Princeton University

February 10

Informal Physics Seminar + *The Amplituhedron BCFW Triangulation* + **Chaim Even-Zohar**, Technion – Israel Institute of Technology; **Tsviqa Lakrec**, Universität Zurich

Black Holes & Quantum Information Group Meeting + *Introduction to One Shot Quantum Shannon Theory – Part II* + **Geoff Penington**, University of California, Berkeley; Junior Visiting Professor, School of Natural Sciences

February 11

High Energy Theory Seminar + *O(N), Sp(2M), and OSp(1|2M) Models* + **Igor Klebanov**, Princeton University; Distinguished Visiting Professor, School of Natural Sciences

February 15

Amplitudes Group Meeting + *Folding Amplitudes into Form Factors* + **Ömer Gürdoğan**, University of Southampton

February 16

Physics Group Meeting + *Constraints on Single-Field Inflation from the BOSS Galaxy Survey* + **Giovanni Cabass** and **Mikhail Ivanov**, Members, School of Natural Sciences

February 22

Amplitudes Group Meeting + *String Perturbation Theory for Dummies – Part 2* + **Lorenz Eberhardt**, Member, School of Natural Sciences

February 24

Black Holes & Quantum Information Group Meeting + *Encoding Other Universes Beyond the Cosmological Horizon* + **Adam Levine**, Member, School of Natural Sciences

February 25

High Energy Theory Seminar + *Hyperuniformity in Classical and Quantum States of Matter* + **Salvatore Torquato**, Princeton University; Member, School of Natural Sciences

March 3

Black Holes & Quantum Information Group Meeting + *No Ensemble Averaging Below the Black Hole Threshold* + **Edward Witten**, Charles Simonyi Professor, School of Natural Sciences

March 7

High Energy Theory Seminar + *Static Responses and Symmetries of Black Holes* + **Austin Joyce**, University of Chicago

March 8

Amplitudes Group Meeting + *String Perturbation Theory for Dummies—Part 3* + **Lorenz Eberhardt**, Member, School of Natural Sciences

March 9

Physics Group Meeting + *Random Matrix Models, 2D Quantum Gravity, and Holography (Part 1)* + **Clifford V. Johnson**, Princeton University; University of Southern California

March 10

Black Holes & Quantum Information Group Meeting + *Random Matrix Models, 2D Quantum Gravity, and Holography (Part 2)* + **Clifford V. Johnson**, Princeton University; University of Southern California

March 11

High Energy Theory Seminar + *Scattering Amplitudes, Positive Geometries and Surfaces* + **Giulio Salvatori**, Member, School of Natural Sciences

March 14

High Energy Theory Seminar + *Codes and Conformal Field Theories* + **Anatoly Dymarsky**, University of Kentucky; Skolkovo Institute of Science and Technology

March 15

Amplitudes Group Meeting + *Black Holes, Scattering Amplitudes and Twistors* + **Alfredo Guevara**, Harvard University

March 17

Black Holes & Quantum Information Group Meeting + *Spectral Form Factor for Free Large N Gauge Theory and Strings* + **Yiming Chen**, Princeton University

March 22

Amplitudes Group Meeting + *Feynman Polytopes and the Tropical Geometry of UV and IR Divergences* + **Aaron Hillman**, Princeton University

March 24

Black Holes & Quantum Information Group Meeting + *Summing Over Bordisms in 2d TQFT* + **Gregory Moore**, Rutgers University–New Brunswick

March 25

High Energy Theory Seminar + *Nearly BPS Black Holes in AdS5 and their Spectrum in N=4 SYM* + **Matthew Heydeman**, Member, School of Natural Sciences

March 28

High Energy Theory Seminar + *Following the Footprints of the B-physics Anomalies* + **Javier Fuentes**, University of Granada

April 4

High Energy Theory Seminar + *Emergent Times in Holography* + **Hong Liu**, Massachusetts Institute of Technology

April 7

Black Holes & Quantum Information Group Meeting + *Page Curve and the Black Hole Interior from Non-Isometric Codes* + **Daniel Harlow**, Massachusetts Institute of Technology

April 12

Black Holes & Quantum Information Group Meeting + *Gauging Discontinuous Diffeomorphisms* + **Henry Maxfield**, Stanford University

April 13

Physics Group Meeting + *Sailing Past the Edge and Discovering the Island* + **Tarek Anous**, University of Amsterdam

April 18

High Energy Theory Seminar + *Line Operators in Chern-Simons-Matter Theories and Bosonization in Three Dimensions* + **Amit Sever**, Tel Aviv University

April 20

Informal Seminar + *Discussion on Non-Planar Positive-Geometric Structures* + **Jaroslav Trnka**, University of California, Davis

April 22

High Energy Theory Seminar + *Localized Collisions and the Black Hole Interior* + **Felix Haehl**, Member, School of Natural Sciences

April 26

Amplitudes Group Meeting + *Standard Model Effective Theory (SMEFT)* + **Michael Trott**, Niels Bohr Institute, University of Copenhagen

April 27

Physics Group Meeting + *The Classification of Extended Topological Field Theories* + **Jacob Lurie**, Professor, School of Mathematics

April 28

Black Holes & Quantum Information Group Meeting + *JT with Matter, Generalized ETH, and Random Matrices* + **Baurzhan Mukhametzhanov**, Member, School of Natural Sciences

May 2–4

Workshop on Possible and Impossible in Effective Field Theory: From the S-Matrix to the Swampland + *Analytic Structure of Lorentzian Observables* + **Simon Caron-Huot**, McGill University; **Lance Dixon**, SLAC, Stanford University; **Francesco Riva**, University of Geneva; **Hólmfríður Hannesdóttir**, Member, School of Natural Sciences; **Aninda Sinha**, Indian Institute of Science + *Swampland Conjectures* + **Cumrun Vafa**, Harvard University; **Miguel Montero**, Harvard University; **Irene Valenzuela**, CERN; Institute of Theoretical Physic Madrid; **Claudia de Rham**, Imperial College London; **Juan Maldacena**, Carl P. Feinberg Professor, School of Natural Sciences; **Grant Remmen**, Kavli Institute for Theoretical Physics, University of California, Santa Barbara; **Gary Shiu**, University of Wisconsin–Madison; **Andrew Tolley**, Imperial College London + *Constraints on Gravitational Theories* + **Alexander Zhiboedov**, CERN; **Dalimil Mazac**, Member, School of Natural Sciences; **Julio Parra-Martinez**, California Institute of Technology; **Leonardo Rastelli**, C.N. Yang Institute, Stony Brook University; **Lecheng Ren**, Brown University

May 2

High Energy Theory Seminar + *Scattering Amplitudes in Maximally Supersymmetric Gauge Theory and a New Duality* + **Lance Dixon**, Stanford University

May 5

Black Holes & Quantum Information Group Meeting + *Holographic Cauchy Slices* + **Aron Wall**, University of Cambridge

May 9

Informal Physics Seminar + *Aspects of Field-Theory Limits of String-Theory Amplitudes at Genus One and Higher* + **Piotr Tourkine**, Centre national de la recherche scientifique, Laboratoire d'Annecy-le-Vieux de Physique Théorique

May 10

Informal Physics Seminar + *Wilson Loops with Lagrangian Insertions* + **Johannes Henn**, Max-Planck-Institut für Physik

May 11

Physics Group Meeting + *Quantum Error Correction in SYK and Bulk Emergence* + **Adam Levine**, Member, School of Natural Sciences

May 20

High Energy Theory Seminar + *Relating Integrable Spin Chains to Gauge Theories via String Theory* + **Nafiz Ishtiaque**, Member, School of Natural Sciences

May 25

Physics Group Meeting + *Off-shell Partition Functions in 3d Gravity* + **Lorenz Eberhardt**, Member, School of Natural Sciences

May 26

Black Holes & Quantum Information Group Meeting + *Informal and Unstructured Discussion*

June 1

Physics Group Meeting + *Geometry of Decoupled Fields* + **Ibrahima Bah**, Johns Hopkins University; Member, School of Natural Sciences

June 2

Black Holes & Quantum Information Group Meeting + *Phases of $N=2$ Sachdev-Ye-Kitaev Models* + **Gustavo Joaquin Turiaci**, Member, School of Natural Sciences

June 8

Physics Group Meeting + *An Attempt at Harnessing Chaos* + **Sridip Pal**, Member, School of Natural Sciences

June 14

Amplitudes Group Meeting + *S-matrix Unitarity and Finite-Temperature Effects from Zero-Temperature Calculations* + **Peter Matak**, University of Bratislava

June 15

Physics Group Meeting + *Discrete Chiral Symmetry and Mass Shift in Lattice Hamiltonian Approach to Schwinger Model* + **Igor Klebanov**, Princeton University; Distinguished Visiting Professor, School of Natural Sciences

July 12

Amplitudes Group Meeting + *Infrared Structure of QED as a Many-Body Theory of Worldlines* + **Xabier Feal**, Brookhaven National Laboratory

August 24

Informal Physics Seminar + *Why Broadly Human-Level AI is Coming Soon* + **Jared Kaplan**, Johns Hopkins University

SIMONS CENTER FOR SYSTEMS BIOLOGY

November 9

Members Seminar + *Glassy Phase in Dynamically Balanced Networks* + **Gianluigi Mongillo**, Centre National de la Recherche Scientifique; Member, School of Natural Sciences

November 10

Biology Seminar + *From the Connectome to Computation and Learning* + **Mitya Chklovskii**, Flatiron Institute

December 8

Biology Seminar + *Bacterial Metal Homeostasis* + **Deenah Osman**, Robinson Lab, Durham University

December 17

Members seminar + *Dimensionality Reduction in Living Systems* + **Sirio Belga Fedeli**, Member, School of Natural Sciences

January 17

Biology seminar + *Engineering Flexible Machine Learning Systems Inspired by Biological Intelligence* + **Guruprasad Raghavan**, California Institute of Technology

January 20

Biology seminar + *Single Molecule Studies of a Novel Mechanism of Bacterial Transcription Initiation* + **Debora Tenenbaum**, Brandeis University

February 7

Biology seminar + *Potentials of Continuous Markov Processes and Random Perturbations* + **Ying-Jen Yang**, University of Washington

February 16

Mathematical Physics Webinar Rutgers University + *Mathematical Models of Human Memory* + **Michail Tsodyks**, C.V. Starr Professor, School of Natural Sciences

March 31

Biology Seminar + *Fly Sense of Direction* + **Gaby Maimon**, Rockefeller University

April 19

Biology Seminar + *A Topological Look into the Evolution of Developmental Programs* + **Somya Mani**, Institute for Basic Science, Center for Soft and Living Matter, Korea

April 21

Members Seminar + *Balance of Excitation and Inhibition and Robust High-Capacity Memory Networks* + **Gianluigi Mongillo**, Centre National de la Recherche Scientifique; Member, School of Natural Sciences

May 3

Biology Seminar + *Does Plant Growth Accelerate Rock Weathering?* + **Friedhelm von Blanckenbourg**, GFZ German Research Centre for Geosciences, Potsdam

May 9

Biology Seminar + *Ecohydrology, Weathering and Landscape Evolution* + **Amilcare Porporato**, Princeton University

June 24

Biology Seminar + *Universal Constraints on Selection Strength in Lineage Trees* + **Arthur Genthon**, École supérieure de physique et de chimie industrielles de la Ville de Paris

School of Social Science

September 23

Social Science Introductory Session
Social Science Welcome Reception

September 27

Social Science Seminar + *A Scene at the Border. Nocturnal Encounters and Political Dramaturgies* + **Didier Fassin**, James D. Wolfensohn Professor, School of Social Science

September 29

Social Science Theme Seminar Orientation Session

October 4

Social Science Seminar + *Toward a New Theory of the Political Imaginary* + **Yves Winter**, McGill University; Member, School of Social Science

Critical Histories Writing Workshop +

Organized by **Joan Scott**, Professor Emerita, School of Social Science

October 7

Contemporary Readings in Politics + Terence Renaud's *New Lefts: The Making of a Radical Tradition* + Organized by **Robyn Marasco**, Hunter College, The City University of New York, and **Yves Winter**, McGill University; Members, School of Social Science

October 11

Social Science Seminar + *Ni Una Menos and the Global Feminist Tide* + **Cecilia Palmeiro**, Universidad Nacional de Tres de Febrero, New York University Buenos Aires; Member, School of Social Science

October 13

Political Mobilizations and Social Movements Theme Seminar + *(Un)civil Society and the Question of Violence* + Readings curated by **Zahra Ali**, Rutgers University–Newark, **Zachariah Mampilly**, Marx School of Public and International Affairs, The City University of New York, and **Judith Scheele**, EHESS–Marseille; Members, School of Social Science

Political Mobilizations and Social Movements Film Series + The October 2019 Uprising in Iraq—two short films: *Iraq's Joker* produced by Al Jazeera for Talk to Al Jazeera in the Field and *Iraq Youth Take to the Streets*, produced by What's Up Productions for Arte Reportage + Post-screening discussion led by **Zahra Ali**, Rutgers University–Newark; Member, School of Social Science

October 14

Contemporary Readings in Politics + Terence Renaud's *New Lefts: The Making of a Radical Tradition* + Organized by **Robyn Marasco**, Hunter College, The City University of New York, and **Yves Winter**, McGill University; Members, School of Social Science

October 18

Social Science Seminar + *The Power of Movement: Saharan Perspectives on Politics* + **Judith Scheele**, EHESS–Marseille; Member, School of Social Science

October 20

Political Theory Writing Workshop + Organized by **Wendy Brown**, UPS Foundation Professor, School of Social Science

October 25

Social Science Seminar + *Toward a Moral Economy of Antiracism in France* + **Magali Bessone**, Université Paris 1; Member, School of Social Science

October 27

Political Mobilizations and Social Movements Theme Seminar + *Technology, Infrastructure, and Political Mobilization* + Readings curated by **Marielle Debos**, Université Paris Nanterre, **Sonja van Wichelen**, The University of Sydney; Members, School of Social Science; and **Jorge Núñez**, Kaleidos–Center for Interdisciplinary Ethnography; Visitor, School of Social Science

November 1

Social Science Seminar + *Dropping Crumbs as We Go: Community Education as Political Praxis* + **Anthony Alessandrini**, Kingsborough Community College, The City University of New York; Member, School of Social Science

November 3

Political Theory Writing Workshop + Organized by **Wendy Brown**, UPS Foundation Professor, School of Social Science

November 8

Social Science Seminar + *Culture of Poverty Politics and Latinx Gender and Sexuality* + **Deborah Vargas**, Rutgers University–New Brunswick; Member, School of Social Science

Contemporary Readings in Politics + Mahmood Mamdani's *Neither Settler Nor Native: The Making and Unmaking of Permanent Minorities* + Organized by **Robyn Marasco**,

Hunter College, The City University of New York, and **Yves Winter**, McGill University; Members, School of Social Science

November 10

Political Mobilizations and Social Movements Theme Seminar + *The Politics of Knowledge Production* + Readings curated by **Joan Scott**, Professor Emerita, School of Social Science; **Anthony Alessandrini**, Kingsborough Community College, The City University of New York, **Debaditya Bhattacharya**, Kazi Nazrul University, and **Asli İğsiz**, New York University; Members, School of Social Science

Political Mobilizations and Social Movements Film Series + *NO*, directed by Pablo Larraín + Post-screening discussion led by **Cecilia Palmeiro**, Universidad Nacional de Tres de Febrero, New York University Buenos Aires, and **Kenneth Roberts**, Cornell University; Members, School of Social Science

November 12–14

Science and the State Theme Workshop + Led by **Alondra Nelson**, Harold F. Linder Professor, School of Social Science, and **Charis Thompson**, London School of Economics and Political Science

November 15

Social Science Seminar + *Fascist Utopias: A History of the Present in Palimpsests* + **Asli İğsiz**, New York University; Member, School of Social Science

Critical Histories Writing Workshop +

Organized by **Joan Scott**, Professor Emerita, School of Social Science

Contemporary Readings in Politics + Mahmood Mamdani's *Neither Settler Nor Native: The Making and Unmaking of Permanent Minorities* + Organized by **Robyn Marasco**, Hunter College, The City University of New York, and **Yves Winter**, McGill University; Members, School of Social Science

November 17

Political Theory Writing Workshop + Organized by **Wendy Brown**, UPS Foundation Professor, School of Social Science

November 22

Social Science Seminar + *Biometrics and the Promise of Democracy in Africa* + **Marielle Debos**, Université Paris Nanterre; Member, School of Social Science

Political Mobilizations and Social Movements Theme Seminar + *Mobilizing the State, Negotiating the State* + Readings curated by **Daniel Agbiboa**, Harvard University; Member, School of Social Science and **Anne-Claire Defosse**, and **Andrea Sempértegui**, Institute for Advanced Study; Visitors, School of Social Science

November 29

Social Science Seminar + #EndSARS: *Police Brutality and the Voice of the Unpeople* + **Daniel Agbibo**, Harvard University; Member, School of Social Science

Contemporary Readings in Politics + Mahmood Mamdani's *Neither Settler Nor Native: The Making and Unmaking of Permanent Minorities* + Organized by **Robyn Marasco**, Hunter College, The City University of New York, and **Yves Winter**, McGill University; Members, School of Social Science

December 1

Political Theory Writing Workshop + Organized by **Wendy Brown**, UPS Foundation Professor, School of Social Science

December 6

Social Science Seminar + *Haywire Liberalism and the Market for Far-Right Rebellion* + **William Callison**, Member, School of Social Science

December 8

Political Mobilizations and Social Movements Theme Seminar + *The Actors in "Political Mobilizations and Social Movements"* + Readings curated by **Kenneth Roberts**, Cornell University, **Elizabeth Saleh**, American University of Beirut, and **Maka Suarez**, University of Oslo; Members, School of Social Science

Political Mobilizations and Social Movements Film Series + *Ram Ke Naam*, directed by Anand Patwardhan + Post-screening discussion led by **Debaditya Bhattacharya**, Kazi Nazrul University; Member, School of Social Science

December 13

Social Science Seminar + *Social Movements and the Future of the Global Order* + **Zachariah Mampilly**, Marx School of Public and International Affairs, The City University of New York; Member, School of Social Science

Critical Histories Writing Workshop + Organized by **Joan Scott**, Professor Emerita, School of Social Science

December 15

Political Theory Writing Workshop + Organized by **Wendy Brown**, UPS Foundation Professor, School of Social Science

December 21

Contemporary Readings in Politics + Enzo Traverso's *Revolution: An Intellectual History* + Organized by **Robyn Marasco**, Hunter College, The City University of New York, and **Yves Winter**, McGill University; Members, School of Social Science

January 24

Social Science Seminar + *What Is Left of Freedom?* + **Wendy Brown**, UPS Foundation Professor, School of Social Science

Contemporary Readings in Politics + Amia Srinivasan's *The Right to Sex: Feminism in the Twenty-First Century* + Organized by **Robyn Marasco**, Hunter College, The City University of New York, and **Yves Winter**, McGill University; Members, School of Social Science

January 26

Political Mobilizations and Social Movements Theme Seminar + *Rethinking the 'Right' and the Politics of Mobilization* + Readings curated by **Asli İğsiz**, New York University, **Biko Koenig**, Franklin & Marshall College, and **William Callison**; Members, School of Social Science

January 31

Social Science Seminar + "Even so quickly may one catch the plague?": *Universities, borders and illegal migrants* + **Debaditya Bhattacharya**, Kazi Nazrul University; Member, School of Social Science

Critical Histories Writing Workshop + Organized by **Joan Scott**, Professor Emerita, School of Social Science

February 2

Political Theory Writing Workshop + Organized by **Wendy Brown**, UPS Foundation Professor, School of Social Science

February 7

Social Science Seminar + *Salvaging Labor: Growing up at a Beirut Scrapyard* + **Elizabeth Saleh**, American University of Beirut; Member, School of Social Science

Critical Histories Writing Workshop + Organized by **Joan Scott**, Professor Emerita, School of Social Science

February 9

Political Mobilizations and Social Movements Theme Seminar + *Financialization, Political Mobilizations and Social Movements* + Readings curated by **Wendy Brown**, UPS Foundation Professor, School of Social Science, **William Callison**, Member, School of Social Science, and **Jorge Núñez**, Kaleidos—Center for Interdisciplinary Ethnography; Visitor, School of Social Science

February 14

Social Science Seminar + *The Shooting: How Americans Live and Die by the Gun* + **Harel Shapira**, The University of Texas at Austin; Member, School of Social Science

February 15

Contemporary Readings in Politics + Lea Ypi's *Free: A Child and a Country at the End of History* + Organized by **Robyn Marasco**, Hunter College, The City University of New York, and **Yves Winter**, McGill University; Members, School of Social Science

February 22

Social Science Seminar + *Trump 2020—Fear, Loss, & Hope Among Rust Belt Trump Activists* + **Biko Koenig**, Franklin & Marshall College; Member, School of Social Science

February 27

Special Session on Political Mobilizations Related to Financialization + **Michel Feher**, author of *Rated Agency: Investee Politics in a Speculative Age*

February 28

History of the School + **Joan Scott** and **Michael Walzer**, Professors Emeriti, School of Social Science

Social Science Seminar + *After Debt: Latin American transnational households in the struggle for the right to housing in Spain* + **Maka Suarez**, University of Oslo; Member, School of Social Science

Special Session on Political Mobilizations Related to Financialization + **Michel Feher**, author of *Rated Agency: Investee Politics in a Speculative Age*

March 1

Political Theory Writing Workshop + Organized by **Wendy Brown**, UPS Foundation Professor, School of Social Science

March 4

Contemporary Readings in Politics + Andreas Malm's *How to Blow Up a Pipeline* + Organized by **Robyn Marasco**, Hunter College, The City University of New York, and **Yves Winter**, McGill University; Members, School of Social Science

March 7

Social Science Seminar + *Democracy's Dialectic Movements, "Backsliding," and "Deepening" Democracy* + **Kenneth Roberts**, Cornell University; Member, School of Social Science

Critical Histories Writing Workshop + Organized by **Joan Scott**, Professor Emerita, School of Social Science

March 9

Political Mobilizations and Social Movements Theme Seminar + *March 8, Transnational Feminisms on the Move* + Readings curated by **Anne-Claire Defossez** and **Andrea Sempértegui**, Institute for Advanced Study; Visitors, School of Social Science, and **Cecilia Palmeiro**; Member, School of Social Science

Political Mobilizations and Social Movements Film Series + *Little Palestine: Diary of a Siege*, directed by **Abdallah Al-Khatib** + Post-screening discussion led by **Wendy Brown**, UPS Foundation Professor, School of Social Science, and **Didier Fassin**, James D. Wolfensohn Professor, School of Social Science

March 10

Public Policy Lecture + *Race for Profit: How Banks and the Real Estate Industry Undermined Black Homeownership* + **Keeanga-Yamahtta Taylor**, Princeton University

March 11

Special Seminar + *Race for Profit: How Banks and the Real Estate Industry Undermined Black Homeownership* + **Keeanga-Yamahtta Taylor**, Princeton University

March 14

Social Science Seminar + *Equality Again* + **Jill Frank**, Cornell University; Member, School of Social Science

March 15–23

Summer Program in Social Science

March 16

Political Theory Writing Workshop + Organized by **Wendy Brown**, UPS Foundation Professor, School of Social Science

March 21

Social Science Seminar + *The Real Possibility of Physical Killing: A Feminist Reading of The Concept of the Political* + **Robyn Marasco**, Hunter College, The City University of New York; Member, School of Social Science

March 23

Political Mobilizations and Social Movements Theme Seminar + *Ethnography, Social Movements and Political Mobilizations* + Readings curated by **Didier Fassin**, James D. Wolfensohn Professor, School of Social Science, and **Biko Koenig**, Franklin & Marshall College, **Judith Scheele**, EHESS-Marseille, and **Maka Suarez**, University of Oslo; Members, School of Social Science

March 25

Contemporary Readings in Politics + Amitav Ghosh's *The Nutmeg's Curse: Parables for a Planet in Crisis* + Organized by **Robyn Marasco**, Hunter College, The City University of New York, and **Yves Winter**, McGill University; Members, School of Social Science

March 28

Social Science Seminar + *Engels after Frankfurt: Critical Theory between "Anthropocene" and "Information Age"* + **Matthew Shafer**, Member, School of Social Science

March 30

Political Theory Writing Workshop + Organized by **Wendy Brown**, UPS Foundation Professor, School of Social Science

April 4

Social Science Seminar + *Molecular Eugenics: The Long History of Sociogenomics in the United States* + **Emily Merchant**, University of California, Davis; Member, School of Social Science

Critical Histories Writing Workshop +

Organized by **Joan Scott**, Professor Emerita, School of Social Science

April 6

Political Theory Writing Workshop + Organized by **Wendy Brown**, UPS Foundation Professor, School of Social Science

April 11

Social Science Seminar + *مضارف -بشنا: The Iraqi Uprising and the Political Imagination* + **Zahra Ali**, Rutgers University–Newark; Member, School of Social Science

April 13

Political Theory Writing Workshop + Organized by **Wendy Brown**, UPS Foundation Professor, School of Social Science

April 18

Social Science Seminar + *What Gives?: Money and the Black Freedom Movement* + **Tanisha Ford**, The Graduate Center at The City University of New York; Member, School of Social Science

Critical Histories Writing Workshop +

Organized by **Joan Scott**, Professor Emerita, School of Social Science

April 19

Contemporary Readings in Politics + Adolph Reed's *The South: Jim Crow and Its Afterlives* + Organized by **Robyn Marasco**, Hunter College, The City University of New York, and **Yves Winter**, McGill University; Members, School of Social Science

April 20

Political Mobilizations and Social Movements Theme Seminar + *Solidarity and Community* + Readings curated by **Anthony Alessandrini**, Kingsborough Community College, The City University of New York, **Debaditya Bhattacharya**, Kazi Nazrul University, and **Matthew Shafer**; Members, School of Social Science

Political Mobilizations and Social Movements Film Series + *A Place in the Sun*, directed by François Ruffin and Gilles Perret + Post-screening discussion led by **Julien Brachet**, Université Paris 1, and **Anne-Claire Defossez**, Institute for Advanced Study; Visitors, School of Social Science

April 25

Social Science Seminar + *Black Women, Radical Politics, and Global Visions of Freedom* + **Keisha Blain**, University of Pittsburgh; Member, School of Social Science

April 26

Social Science Spring Gathering

May 27

Contemporary Readings in Politics + On the topic of critical phenomenology, Cressida Heyes' *Anaesthetics of Existence*, and Lisa Guenther's "Six Senses of Critique for Critical Phenomenology" + Organized by **Robyn Marasco**, Hunter College, The City University of New York, and **Yves Winter**, McGill University; Members, School of Social Science

June 14

Contemporary Readings in Politics + Olúfẹ̀mi O. Táíwò's *Elite Capture: How the Powerful Took Over Identity Politics (And Everything Else)*

July 18–19

Science and the State Theme Workshop + Led by **Alondra Nelson**, Harold F. Linder Professor, School of Social Science, and **Charis Thompson**, London School of Economics and Political Science

Director's Office Events

July 12

Staff Tea and Welcome Back to Campus

September 12

Ice Cream Social for Members hosted by the Friends Executive Committee

September 17

Staff Picnic

September 19

Faculty Welcome and Dinner at Olden Farm

September 20

Hybrid Welcome Day
Welcome Reception

September 24

Friends Welcome Reception

September 25

Jazz Night at Harry's Bar

October 1

Friends Lunch with a Member + *Governing Bioscience in Globalization* + **Sonja van Wichelen**, Member, School of Social Science

Member Activity + Outdoor Movie Night

October 2

Edward T. Cone Concert Series + *Music and Memory* + **Rolf Schulte**

October 7

Photo Day

October 12

Faculty/Colleague Dinner

October 13

IAS Film Series: Political Mobilizations and Social Movements + *The October 2019 Uprising in Iraq*

October 15

Oktoberfest Member Supper

October 21

IAS Book Event + *Do Not Erase: Mathematicians and Their Chalkboards* + **Jessica Wynne**

October 22

Happy Hour for Friends

October 27

Artist Salon + *Tania León, 2021 Pulitzer Prize and classical guitarist Jiji* + **Tania León** and **Jiji Kim**

November 2

Virtual Event Series + *From Celestial Mechanics to the New Field of Symplectic Dynamics* + **Helmut Hofer**, Hermann Weyl Professor, School of Mathematics

November 5

Happy Hour for Members and Friends

November 6

Edward T. Cone Concert Series + *REVELATION: Music in Pure Intonation* + **Michael Harrison**

November 10

IAS Film Series: Political Mobilizations and Social Movements + *No*, a film by Pablo Larraín

November 12

Friends Talk + *Human Subjects as Research Experts* + **Rosanna Dent**, Member, School of Historical Studies

November 13

Jazz Night at Harry's Bar

November 17

Artist Salon + *Secrets from the Rehearsal Room* + **Carey Perloff**

November 19

Friends Lunch with a Member + *Negative Energy, Quantum Information and Causality* + **Adam Levine**, Member, School of Natural Sciences

Thanksgiving Member Supper

December 1

Artist Salon + *Directing the Ring Cycle* + **Francesca Zambello**, Artistic Director, Washington National Opera

December 4

Edward T. Cone Concert Series + *The Passing Measures* + **Mahan Esfahani**

December 8

IAS Film Series: Political Mobilizations and Social Movements + *Ram Ke Naam*

December 10

Friends Holiday Party

December 11

Members and Faculty Holiday Party

January 28

Friends Talk + *Exploring the Institute's Archives* + **Caitlin Rizzo**, Shelby White and Leon Levy Archives Center

February 10

Member Activity + Star Gazing Night + **Robert J. Vanderbei**, former Member, School of Natural Sciences

February 11

Friends Lunch with a Member + *Theologies of Dissent at the Hellenic Polis: War, Epidemic, and the Ludic Deity on Stage* + **Eleftheria Pappa**, Member, School of Historical Studies

February 25

Friends Happy Hour

March 4

Friends Lunch with a Member + *Tape Music as Women's Work* + **Andrea Bohlman**, Member, School of Historical Studies

March 9

IAS Film Series: Political Mobilizations and Social Movements + *Little Palestine: Diary of a Siege*

St. Patricks Day Member Supper

March 10

Lecture on Public Policy + *Race for Profit: How Banks and the Real Estate Industry Undermined Black Homeownership* + **Keeanga-Yamahtta Taylor**, Princeton University

March 19

Edward T. Cone Concert Series + *Fann D'Ayiti (Women of Haiti)* + **Nathalie Joachim** and **Spektral Quartet**

March 23

Artist Salon + **Amir Elsaftar**

April 1

Friends Talk with Myles Jackson in honor of the Albers-Schönberg Professorship + *Artisans and Natural Philosophers in the Early Nineteenth Century: Joseph von Fraunhofer and the Response to his Optical Glassmaking* + **Myles Jackson**, Albers-Schönberg Professor in the History of Science

April 14

S.T. Lee Lecture + *Directing Economic Growth: A Mission-Oriented Approach* + **Mariana Mazzucato**, University College London

April 19

Faculty/Colleague Dinner

April 20

Public Program + *The Man from the Future Book Launch* + **Ananyo Bhattacharya** and **Marina von Neumann Whitman**

Member Supper

April 21

Historical Studies Panel Discussion + *The Uses and Abuses of History: Responding to the War in Ukraine* + **Suzanne Conklin Akbari** and **Angelos Chaniotis**, Professors, School of Historical Studies, **Patrick Geary**, Professor Emeritus, School of Historical Studies, **Kim Lane Scheppele**, Princeton University, **Alice Sullivan**, Tufts University

April 27

Salon Dinner + *A Wing and a Prayer: Risky Design and the Space Shuttle* + **Matthew Hersch**, Visitor, School of Historical Studies

April 29

Roger E. Covey Distinguished Lecture in Pre-Modern China + *The Philosopher and the Khan: The Diary of Daoist Changchun's Journey to the West* + **Stephen H. West**, Arizona State University

April 30

Edward T. Cone Concert Series + *Beowulf* + **Benjamin Bagby**

May 6

Public Program + *Spacetime, Quantum Entanglement and Black Holes* + **Ahmed Almheiri**, Member, School of Natural Sciences; **Juan Maldacena**, Carl P. Feinberg Professor, School of Natural Sciences; **Geoff Penington**, Junior Visiting Professor, School of Natural Sciences; **Subir Sachdev**, Harvard University; Distinguished Visiting Professor, School of Natural Sciences

Bamberger Award Ceremony and Dinner honoring **Shelby White**

May 13

Friends Happy Hour with a Member + **John Urschel**, Member, School of Mathematics

May 16

IAS Film Series: Political Mobilizations and Social Movements + *Mr. Jones*

May 18

International Potluck

May 20

Founders Day Celebration

Friends Annual Meeting

May 26

Celebration in Honor of the Gopal Prasad Professorship + *Mass Formulae, Geometries and Dynamics* + **Peter Sarnak**, Gopal Prasad

Professor, School of Mathematics and **Akshay Venkatesh**, Robert and Luisa Fernholz Professor, School of Mathematics + **Prasad's Work in Arithmetic Theory of Algebraic Groups** + **Andrei Rapinchuk**, University of Virginia + **Matrix Group Dynamics in Work of Gopal Prasad** + **Brian Conrad**, Stanford University

June 10
Staff Picnic

Digital Scholarship Conversations @IAS

September 16

The Author's Voice + *Sasanian Iran: A Personal View* + **Michael R. Jackson Bonner**, Canadian writer, political adviser and independent historian of Iran + Hosted by **Sabine Schmidtke**, Professor, School of Historical Studies; **George A. Kiraz**, Research Associate, School of Historical Studies; Beth Mardutho: The Syriac Institute; and Editor-in-Chief, Gorgias Press; in cooperation with **Angelos Chaniotis**, Professor, School of Historical Studies

October 27

Digital Scholarship Conversations @IAS + *Where to Find Millions of Books and How to "Read" Them: HathiTrust and HTRC* + **Ryan Dubnicek**, Digital Humanities Specialist, HathiTrust Research Center

November 10

Near Eastern Studies and Digital Scholarship @IAS joint lecture + *The Study of Pre-modern Hebrew Philosophical and Scientific Terminology as a new Chapter in the Intellectual History of Europe and the Islamicate World: PESHAT in Context* + Speakers: **Giuseppe Veltri**, University of Hamburg; **Reimund Leicht**, Hebrew University of Jerusalem; **Michael Engel**, University of Hamburg; **Florian Dunklau**, University of Hamburg

December 9

The Author's Voice + *Ash'arism Encounters Avicennism: Sayf Al-Dīn Al-Āmidī (d. 631/1233) on Creation* + **Laura Hassan**, Associate Faculty Member, Faculty of Oriental Studies, University of Oxford + Hosted by **Sabine Schmidtke**, Professor, School of Historical Studies; **George A. Kiraz**, Research Associate, School of Historical Studies; Beth Mardutho: The Syriac Institute; and Editor-in-Chief, Gorgias Press; in cooperation with **Angelos Chaniotis**, Professor, School of Historical Studies

February 24–25

Hidden Stories: Books along the Silk Roads: Landmark exhibition co-curated by **Suzanne Conklin Akbari**, Professor, School of Historical Studies; **Filiz Çakır Phillip**, Aga Khan Museum; along with a team of experts, step in to learn more about books along the Silk Roads and their hidden stories.

March 10

The Author's Voice + *Angels Hastening: The Karbalā' Dreams* + **Christopher Clohessy**, Pontifical Institute for Arabic and Islamic Studies (PISAI); Pontifical Beda College, Rome + Hosted by **Sabine Schmidtke**, Professor, School of Historical Studies; **George A. Kiraz**, Research Associate, School of Historical Studies; Beth Mardutho: The Syriac Institute; and Editor-in-Chief, Gorgias Press; in cooperation with **Angelos Chaniotis**, Professor, School of Historical Studies

April 1

Near Eastern Studies, Digital Scholarship Conversations @IAS and Beth Mardutho: The Syriac Institute joint event + *Simtho: Hands-on Workshop in Syriac Corpus Search*

April 27

Near Eastern Studies and Digital Scholarship Conversations @IAS joint lecture + *The Preservation of Documentary Heritage in the MENASA Region: The Role of the QNL* + **Stephane Ipert**, Director of Distinctive Collections, Qatar National Library (QNL)

June 23

The Author's Voice + *The symbolic language of Ethiopian crosses: Explorations through form and ritual* + **Maria Evangelatou**, Professor of Mediterranean Studies in the History of Art and Visual Culture Department, at the University of California Santa Cruz. Hosted by **Sabine Schmidtke**, Professor, School of Historical Studies, and **George A. Kiraz**, Beth Mardutho: The Syriac Institute; Research Associate, School of Historical Studies and Editor-in-Chief, Gorgias Press; in cooperation with **Angelos Chaniotis**, Professor, School of Historical Studies