

# RECORD OF EVENTS

## School of Historical Studies

### September 25

Historical Studies Lunchtime Colloquium + *First Term Introductions* + **Yve-Alain Bois**, Professor, School of Historical Studies

### September 30

Medieval Seminar + *First Term Introductions* + **Patrick J. Geary**, Professor, School of Historical Studies

### October 2

Historical Studies Lunchtime Colloquium + *The Politics of Entertainment: Cold War and Chinese Cinema* + **Poshek Fu**, University of Illinois at Urbana-Champaign; Member, School of Historical Studies

### October 4

Climate and Ecology of the Mongol Empire (CEME) Writing Workshop + *Paleoclimate Dynamics of Drought and Pluvials in Mongolia* + **Kevin Anchukaitis**, Woods Hole Oceanographic Institution + *The Five Snouts, Vegetation, and Climate: Investigating the Terrestrial Ecosystem Dynamics of Central Mongolia Using Lake Sediment Records* + **John Burkhart**, West Virginia University + *Shallow Lakes and Regional Patterns: What We're Hoping to Learn from the Mud* + **Avery Cook-Shinneman**, University of Washington + *Climate Science Questions and Historical Questions: Looking for Matching Points* + **Nicola Di Cosmo**, Luce Foundation Professor in East Asian Studies, School of Historical Studies + *Droughts and Pluvials in Context: Tree-Rings and Climate History of the Last Two Thousand Years in Mongolia* + **Amy Hessler**, West Virginia University + *A Multiparameter Tree-Ring Approach for Understanding Climate Dynamics in Mongolia* + **Caroline Leland**, Columbia University + *Droughts in Central Asia over the Modern Era, 1901 through 2010: Frequency, Duration, and Impacts on Terrestrial Ecosystems* + **Chaoqun Lu**, Auburn University + *Climate Extremes, Grassland Productivity, and Animal Production during the Period 900–2010: Implications for Rise and Fall of the Mongol Empire* + **Hanqin Tian**, Auburn University

### October 5

Climate and Ecology of the Mongol Empire (CEME) Writing Workshop + *Writing Workshops* + **Nicola Di Cosmo**, Luce Foundation Professor in East Asian Studies, School of Historical Studies

### October 6

Climate and Ecology of the Mongol Empire (CEME) Writing Workshop + *Anatolian Environments: Climate, Land, and Politics, ca. 300–1000 (from Late Rome to Middle Byzantium)* + **John Haldon**, Princeton University

### October 7

Medieval Seminar + *Vita Sancti Barbatiani* + **Edward Schoolman**, University of Nevada, Reno; Member, School of Historical Studies

### October 8

Art History Seminar + *Artists' Writings, Primitivism, and Paul Gauguin* + **Linda Jane Goddard**, University of St Andrews; Member, School of Historical Studies

### October 9

Historical Studies Lunchtime Colloquium + *Silence in Heaven: An Iconographic Approach to Rev. 1:8* + **Vincent Debiais**, Centre National de la Recherche Scientifique, Paris; Member, School of Historical Studies

### October 13

East Asian Studies Seminar + *What Is the So-Called "Zhenmushou"?* + **Guolong Lai**, University of Florida; Member, School of Historical Studies

### October 14

Medieval Seminar + *L'Écriture de l'Art: Entrejeux Texte/Image dans la Création Artistique Médiévale (800–1200)* + **Vincent Debiais**, Centre National de la Recherche Scientifique, Paris; Member, School of Historical Studies

### October 15

Art History Seminar + *Picturing Antiquity and the Body after Archaeology* + **Sarah Betzer**, University of Virginia; Member, School of Historical Studies

Islamicist Seminar + *Early Origins of Islamic Philosophical Tradition in Crimea* + **Mykhaylo Yakubovych**, The National University of Ostroh Academy; Member, School of Historical Studies

Early Modern Europe Workshop + *Élie Halévy on England and the English* + **K. Steven Vincent**, North Carolina State University at Raleigh; Member, School of Historical Studies

### October 16

Historical Studies Lunchtime Colloquium + *The Promise of New Worlds: Huguenot Refugees in the East and West Indies* + **Owen Stanwood**, Boston College; Member, School of Historical Studies

### October 21

Ancient Studies Seminar + *Sport, Democracy, and War in Classical Athens* + **David Prichard**, The University of Queensland and Brown University

Medieval Seminar + *Creating the Rule of Kinsmen in Southeastern Europe in the Twelfth and Thirteenth Centuries* + **Vlada Stankovic**, University of Belgrade; Member, School of Historical Studies

### October 23

Historical Studies Lunchtime Colloquium + *Weber's Tonal Space* + **Suzannah Clark**, Harvard University; Member, School of Historical Studies

### October 27

East Asian Studies Seminar + *A Tale of Two Chinas: The Law and Politics of Economic Development* + **Teemu Ruskola**, Emory University; Member, School of Historical Studies

### October 28

Ancient Studies Seminar + *Thales or Hippodamos? Agora and Town Planning before and after the Persian Wars* + **Alexander Herda**, Freie Universität Berlin

Medieval Seminar + *Eastern Christian Mission after Constantine* + **Andrea Sterk**, University of Florida; Member, School of Historical Studies

### October 29

Islamicist Seminar + *Between Texts and Textual Practices: Initiating a Conversation between the Schools of Historical Studies and Social Science in the Study of Islam* + **Noah Salomon**, Carleton College; Member, School of Social Science

### October 30

Historical Studies Lunchtime Colloquium + *The Assassination of Julius Caesar: Why Was It Such a Muddle?* + **Jon E. Lendon**, University of Virginia; Member, School of Historical Studies

### November 4

Medieval Seminar + *Gerald of Wales's Preface to "Instruction for a Ruler"* + **Robert J. Bartlett**, University of St Andrews; Member, School of Historical Studies

### November 5

Seminar on International Relations + *Liquid Dependencies: Water and Authority in Qing Borderlands (Eighteenth to Nineteenth Centuries)* + **David Anthony Bello**, Washington and Lee University; Member, School of Historical Studies

### November 6

Historical Studies Lunchtime Colloquium + *China, for Example: China and the Making of Modern International Law* + **Teemu Ruskola**, Emory University; Member, School of Historical Studies

### November 11

Ancient Studies Seminar ♦ *Pennies for Thoughts: Monetization and Emerging Forms of Thought in Fifth-Century Greece* ♦ **Vayos Liapis**, Open University of Cyprus; Member, School of Historical Studies

Medieval Seminar ♦ *Where IS Edirne?* ♦ **Amy Elizabeth Singer**, Tel Aviv University; Member, School of Historical Studies

### November 12

Art History Seminar ♦ *General Discussion* ♦ **Yve-Alain Bois**, Professor, School of Historical Studies

Islamicist Seminar ♦ *Film Screening and Discussion: Footnote (הערות שוליים) (2011)* ♦ **Sabine Schmidtke**, Professor, School of Historical Studies

Seminar on International Relations ♦ *Legitimizing Colonial Subjects: Native Chiefship and the First Italian Administration of Eritrea* ♦ **Oiindo De Napoli**, Università degli Studi di Napoli Federico II; Member, School of Historical Studies

### November 13

Historical Studies Lunchtime Colloquium ♦ *Editing Gerald of Wales's "Instruction for a Ruler"* ♦ **Robert J. Bartlett**, University of St Andrews; Member, School of Historical Studies

### November 17

East Asian Studies Seminar ♦ *Reading and Writing Practices in Early Medieval China* ♦ **Wendy Swartz**, Rutgers, The State University of New Jersey; Member, School of Historical Studies

### November 18

Medieval Seminar ♦ *The Transformation of the Carolingian World* ♦ **Herwig Wolfram**, Universität Wien

Early Modern Europe Workshop ♦ *Antiquarianism and Diplomacy in the Renaissance Mediterranean* ♦ **Adam G. Beaver**, Princeton University; Member, School of Historical Studies

### November 19

Art History Seminar ♦ *Rosemarie Trockel's Idea of Relief* ♦ **Brigid Doherty**, Princeton University

### November 20

Historical Studies Lunchtime Colloquium ♦ *Naturalism in the Nineteenth Century—Pictorial Truth and Social Reality* ♦ **Alexander Desmond Potts**, University of Michigan; Member, School of Historical Studies

### November 25

Medieval Seminar ♦ *Comparing Genes Across Language Families* ♦ **Guido Barbujani**, Università degli Studi di Ferrara

### December 1

East Asian Studies Seminar ♦ *The Death of Yèlu Abaoji, the Founder of the Liao Dynasty* ♦ **Xin Luo**, Peking University; Member, School of Historical Studies

### December 2

Ancient Studies Seminar ♦ *A Corpus of Ancient Synagogue Inscriptions: Methods and Problems* ♦ **Jonathan Jay Price**, Tel Aviv University; Member, School of Historical Studies

### December 4

Historical Studies Lunchtime Colloquium ♦ *What Was a Bastard in Medieval Europe?* ♦ **Sara Ann McDougall**, John Jay College of Criminal Justice, The City University of New York; Member, School of Historical Studies

### December 8

East Asian Studies Seminar ♦ *Cold War City: Rethinking the Politics of Mandarin Cinema* ♦ **Poshek Fu**, University of Illinois at Urbana-Champaign; Member, School of Historical Studies

### December 9

Ancient Studies Seminar ♦ *The Jurisdiction of the Jewish Community of Herakleopolis: Normal or Special Case?* ♦ **Patrick Sänger**, Universität Wien; Member, School of Historical Studies

### December 10

Islamicist Seminar ♦ *Greek, Syriac, and Arabic: The Road from Late Antiquity to the Middle Ages* ♦ **Jack Tannous**, Princeton University

Eighteenth Century Seminar ♦ *From the Desert to the Refuge: The Saga of New Bordeaux* ♦ **Owen Stanwood**, Boston College; Member, School of Historical Studies

### December 11

Historical Studies Lunchtime Colloquium ♦ *"The Soul of the Italian Man Is So Shaken that He Is Completely Devoted to the Black Girl"—Notes on Law and Colonialism* ♦ **Oiindo De Napoli**, Università degli Studi di Napoli Federico II; Member, School of Historical Studies

### December 15

East Asian Studies Seminar ♦ *Liquid Dependencies: Water and Authority in Qing Borderlands (Eighteenth to Nineteenth Centuries)* ♦ **David Anthony Bello**, Washington and Lee University; Member, School of Historical Studies

### December 17

Islamicist Seminar ♦ *Some Notes on the History and Theology of the Kārrāmīya—The Tafṣīr-I Sūrābādī Responding to Anti-Kārrāmī Polemicists* ♦ **Maryam Tiouri**, Freie Universität Berlin

Early Modern Europe Workshop ♦ *The Beginning of the End of the World* ♦ **Owen Stanwood**, Boston College; Member, School of Historical Studies

Seminar on International Relations ♦ *The Socialist Liberalism of Élie Halévy* ♦ **K. Steven Vincent**, North Carolina State University at Raleigh; Member, School of Historical Studies

### December 18

Historical Studies Lunchtime Colloquium ♦ *On the Knife's Edge: How Germany Lost the First World War* ♦ **Holger Horst Afflerbach**, University of Leeds; Member, School of Historical Studies

### January 6

Medieval Seminar ♦ *Second Term Introductions* ♦ **Patrick J. Geary**, Professor, School of Historical Studies

### January 8

Historical Studies Lunchtime Colloquium ♦ *Second Term Introductions* ♦ **Yve-Alain Bois**, Professor, School of Historical Studies

### January 13

Medieval Seminar ♦ *Doctors and Preachers Against the Plague: Attitudes toward Disease in Late Medieval Plague Tracts and Plague Sermons* ♦ **Ottó Sándor Gecser**, Eötvös Loránd University; Member, School of Historical Studies

### January 14

Art History Seminar ♦ *The Enlivened Figures of Late Medieval and Early Modern Processional Stagings* ♦ **Laura Weigert**, Rutgers, The State University of New Jersey

Islamicist Seminar ♦ *The Birth of the Rabbinic Isnād: Citation and Attribution in Talmudic Literature* ♦ **Moulie Vidas**, Princeton University; Member, School of Historical Studies

Early Modern Europe Workshop ♦ *Hugo Grotius and the Ideological Origins of British Imperialism (Seventeenth to Early Eighteenth Centuries)* ♦ **Marco Barducci**, Member, School of Historical Studies

### January 15

Historical Studies Lunchtime Colloquium ♦ *Enter, Riding on an Elephant* ♦ **Amy Elizabeth Singer**, Tel Aviv University; Member, School of Historical Studies

### January 20

Ancient Studies Seminar ♦ *New Inscriptions from Aphrodisias* ♦ **Angelos Chaniotis**, Professor, School of Historical Studies

### January 21

Islamicist Seminar ♦ *Americanization of Islamic Legal Scholarship* ♦ **Anver Emon**, University of Toronto; Member, School of Historical Studies

Seminar on International Relations ♦ *Human Rights and Democracy Promotion in U.S. Foreign Relations, 1977–1989* ♦ **William Michael Schmidli**, Bucknell University; Member, School of Historical Studies

### January 22

Historical Studies Lunchtime Colloquium + *From the Ash to the Fire: Reanimating Antiquity in Pompeii* + **Sarah Betzer**, University of Virginia; Member, School of Historical Studies

### January 26

East Asian Studies Seminar + *Drugs for the Masses: The Imperial Pharmacy during the Southern Song Dynasty (1127–1279)* + **Asaf Goldschmidt**, Tel Aviv University; Member, School of Historical Studies

### January 28

Islamicist Seminar + *Why Study the Reception of Galen? Transmission of Knowledge from Late Antiquity to the Islamic World* + **Leigh Chipman**, Johns Hopkins University

### January 29

Historical Studies Lunchtime Colloquium + *From Human-Spirit Resonance to Correlative Modes: The Shaping of Chinese Correlative Thinking* + **Jinhua Jia**, University of Macau; Member, School of Historical Studies

### February 3

Medieval Seminar + *Looking Back from 1700: Medieval and Early Modern Prehistories for Benedictine Scholarly Practice* + **Thomas Wallnig**, Universität Wien; Member, School of Historical Studies

### February 4

Islamicist Seminar + *Digital Ottoman: What? Why? How?* + **Amy Elizabeth Singer**, Tel Aviv University; Member, School of Historical Studies

Seminar on International Relations + *Imperial Germany and the First World War* + **Holger Horst Afflerbach**, University of Leeds; Member, School of Historical Studies

### February 5

Historical Studies Lunchtime Colloquium + *Injury and Community in the Early Roman Empire* + **Ari Bryen**, West Virginia University; Member, School of Historical Studies

### February 9

East Asian Studies Seminar + *Encountering Joseph Needham: William Band in Chongqing* + **Danian Hu**, The City College of New York; Member, School of Historical Studies

### February 10

Ancient Studies Seminar + *Horace's Ode to Pollio (Ode 2.1)* + **Stephen John Harrison**, University of Oxford; Member, School of Historical Studies

Medieval Seminar + *Cortesia in the Ensenhamen of Garin lo Brun* + **David Bruce Crouch**, University of Hull; Member, School of Historical Studies

### February 11

Early Modern Europe Workshop + *Counselling Monarchs in Seventeenth-Century France and Spain* + **Nicole Reinhardt**, Durham University; Member, School of Historical Studies

### February 12

Historical Studies Lunchtime Colloquium + *Scholarship, Religion, and the Making of Judaism in Late Ancient Palestine* + **Moulie Vidas**, Princeton University; Member, School of Historical Studies

### February 17

Medieval Seminar + *Text from the Annals of Cambrai* + **Robert J. Bartlett**, University of St Andrews; Member, School of Historical Studies

### February 18

Art History Seminar + *Before Documentary: Ornament and Knowledge in Soviet Factography* + **Devin Fore**, Princeton University

Seminar on International Relations + *A Tale of Two Chinas: The Law and Politics of Economic Development* + **Teemu Ruskola**, Emory University; Member, School of Historical Studies

### February 19

Historical Studies Lunchtime Colloquium + *Catharine Macaulay's French Connections* + **Karen Anne Hamnet Green**, The University of Melbourne; Member, School of Historical Studies

### February 23

East Asian Studies Seminar + *The Politics of the Hunt in Late Koryŏ and Early Chosŏn Korea* + **George Kallander**, Syracuse University; Member, School of Historical Studies

### February 24

Medieval Seminar + *Property and Memory in Ninth- and Tenth-Century Italy* + **Edward Schoolman**, University of Nevada, Reno; Member, School of Historical Studies

### February 25

One-Day Colloquium in Honor of Patricia Crone + *Greetings and Introduction* + **Sabine Schmidtke**, Professor, School of Historical Studies + *Patricia Crone's Contribution to the Field of Islamic Studies* + **Everett Rowson**, New York University + *Muhammad's Deputies in Medina* + **Michael Cook**, Princeton University + *An Exercise in Methodological Skepticism: The Case of "The Cordovan Voluntary Martyrs"* + **Sarah Stroumsa**, The Hebrew University of Jerusalem + *Patricia Crone's Contribution to Premodern Iranian Studies: Politics, Society, and Religion* + **Hassan Farhang Ansari**, Member, School of Historical Studies + *Persian Origins in Arab Colonies of Marv and Transoxania* + **Kevin van Bladel**, The Ohio State University + *Nativism and Prophethood in Early Modern Iran: Āzar Kayvān and the Quest for*

*Universal Religion* + **Daniel J. Sheffield**, Princeton University + *Concluding Remarks* + **Sabine Schmidtke**, Professor, School of Historical Studies

### February 26

Historical Studies Lunchtime Colloquium + *A Forgotten Sin: Acceptio Personarum—Early Modern Discussions on Personal Merit* + **Nicole Reinhardt**, Durham University; Member, School of Historical Studies

### March 3

Ancient Studies Seminar + *Cleopatra's Cyprus: Excavations on Late Ptolemaic Yeronisos* + **Joan Connelly**, New York University; Visitor, School of Historical Studies

Medieval Seminar + *The Legitimacy of Children Born to Illegal Marriages in the Late Eleventh through the Early Thirteenth Centuries* + **Sarah Ann McDougall**, John Jay College of Criminal Justice, The City University of New York; Member, School of Historical Studies

### March 4

Islamicist Seminar + *What Housework Signifies: Domestic Labor in Legal Manuals of the Eleventh to Twelfth Centuries C.E.* + **Marion Holmes Katz**, New York University; Member, School of Historical Studies

Eighteenth Century Seminar + *Locke, Enlightenment, and Liberty in the Works of Catharine Macaulay and Her Contemporaries* + **Karen Anne Hamnet Green**, The University of Melbourne; Member, School of Historical Studies

### March 5

Historical Studies Lunchtime Colloquium + *Critical Monks, the German Benedictines, 1680–1740* + **Thomas Wallnig**, Universität Wien; Member, School of Historical Studies

### March 9

East Asian Studies Seminar + *Religiosity and Literacy: The Journey of Daoist Priestesses in Tang China (618–907)* + **Jinhua Jia**, University of Macau; Member, School of Historical Studies

### March 10

Medieval Seminar + *From Hadrian's Horse to the Sexuality of Christ: Toward a History of Medieval Political Semantics beyond Texts* + **Bernhard Jussen**, Goethe-Universität Frankfurt

### March 11

Early Modern Europe Workshop + *Critical Monks, The German Benedictines, 1680–1740* + **Thomas Wallnig**, Universität Wien; Member, School of Historical Studies

Seminar on International Relations + *Turkish and Albanian Nationalism at the End of Empire* + **Nader Sohrabi**, Carleton College; Member, School of Historical Studies



### March 13

Ancient Studies Workshop: Epigraphic Friday + *The Athenian Didascaliae (IG II<sup>2</sup> 2319–2323a): An Ensemble of Inscriptions* + **Stephen V. Tracy**, Visitor, School of Historical Studies + *Columnar Formatting in Fifth-Century Attic Inscriptions* + **Elizabeth Meyer**, University of Virginia + *The Lex de Imperio Vespasiani and the Digest* + **Michael Peachin**, New York University + *Problems in the Lex Libitina Cumana (AE, 1971, 89)* + **John P. Bodel**, Brown University; Member, School of Historical Studies + *The Late Trajanic Jewish Revolts and a New Inscription at Vaison-la-Romaine* + **Glen W. Bowersock**, Professor Emeritus, School of Historical Studies + *The Boxer Melancomas* + **Christopher P. Jones**, Harvard University + *New Inscriptions from Late Antique Aphrodisias* + **Angelos Chaniotis**, Professor, School of Historical Studies

### March 17

Medieval Seminar + *Questions of Identity and Ideology in Serbia, Twelfth to Thirteenth Centuries* + **Vlada Stankovic**, University of Belgrade; Member, School of Historical Studies

### March 18

Islamicist Seminar + *Arabic Documents from the Early Islamic Period* + **Geoffrey Allan Khan**, University of Cambridge; Member, School of Historical Studies

### March 19

Historical Studies Lunchtime Colloquium + *Reasoning with Cases: The Transmission of Clinical Medical Knowledge in Twelfth-Century Song China* + **Asaf Goldschmidt**, Tel Aviv University; Member, School of Historical Studies

S. T. Lee Public Lecture + *Ancient Human Genomes Suggest Three Ancestral Populations for Present-Day Europeans* + **Johannes Krause**, Eberhard Karls Universität Tübingen and Max-Planck-Institut für Menschheitsgeschichte

### March 20

Workshop on Integrating Genomics and Human History: Challenges and Opportunities + *Welcome and Opening Remarks* + **Patrick J. Geary**, Professor, School of Historical Studies + *Genetic History—A Challenge to Medieval Studies* + **Jörg Feuchter**, Humboldt-Universität zu Berlin + *Richard III Rediscovered* + **Turi King**, University of Leicester + *Tracing the Genetic Ancestry of Enslaved Africans Using Ancient DNA* + **María Ávila-Arcos**, Center for Computational, Evolutionary and Human Genomics, Stanford University + *Scientific Evidence, Historical Evidence, or Both?* + **Michael Gordin**, Princeton University + *Ancient DNA and the Settlement of Iceland: Assessing Authenticity and Continuity* + **Agnar Helgason**, University of Iceland and deCODE Genetics + *Inferring Relatedness between Individuals Using Genomic Data from Ancient Samples* + **Krishna Veeramah**, Stony Brook

University, The State University of New York + *Detecting Natural Selection Using Ancient DNA* + **Mark Thomas**, University College London + *A Historian of Science's Perspective on Genetic History* + **Soraya de Chadavarian**, University of California, Los Angeles + *Closing Remarks* + **Patrick J. Geary**, Professor, School of Historical Studies

### March 24

Ancient Studies Seminar + *Polybius on Emotional Engagement* + **John Mark Marincola**, Florida State University; Member, School of Historical Studies

Medieval Seminar + *Some Paleographic Issues in Medieval Inscriptions* + **Vincent Debiais**, Centre National de la Recherche Scientifique, Paris; Member, School of Historical Studies

### March 25

Islamicist Seminar + *Neo-Ottomanism, Imperial Nation State, and Reluctant Nationalists* + **Nader Sohrabi**, Carleton College; Member, School of Historical Studies

### March 26

Historical Studies Lunchtime Colloquium + *In Search of Chivalry: A Taxonomic Approach* + **David Bruce Crouch**, University of Hull; Member, School of Historical Studies

### March 30

East Asian Studies Seminar + *Colloquial Mandarin in Outlying Regions in the Ming and Qing* + **Richard VanNess Simmons**, Rutgers, The State University of New Jersey; Member, School of Historical Studies

### March 31

Ancient Studies Seminar + *Rethinking the Roman Funeral* + **John P. Bodel**, Brown University; Member, School of Historical Studies

Medieval Seminar + *The Digital Ottoman Platform: The Only Way Forward or the Road to Hell?* + **Amy Elizabeth Singer**, Tel Aviv University; Member, School of Historical Studies

### April 1

Islamicist Seminar + *Critical Approaches to the Philosophy of Avicenna: Sharaf al-Din al-Mas'udi and Afdal al-Din al-Ghaylani* + **Hassan Farhang Ansari**, Member, School of Historical Studies

Early Modern Europe Workshop + *Locke, Enlightenment, and Liberty in the Works of Catharine Macaulay and Her Contemporaries* + **Karen Anne Hamnet Green**, The University of Melbourne; Member, School of Historical Studies

### April 2

Historical Studies Lunchtime Colloquium + *The Royal Hunt in Thirteenth-Century Korea: Koryo and the Mongol Empire* + **George Kallander**, Syracuse University; Member, School of Historical Studies

### April 15

Art History Seminar + *The Prearchitectonic Condition: On Modern Architecture and Prehistory (Sigfried Giedion and André Leroi-Gourhan)* + **Spyros Papapetros**, Princeton University

### May 12

Medieval Seminar + *The Meaning of a Law-Book: Lex Salica in the Frankish Kingdoms* + **Karl Ubl**, Eberhard Karls Universität Tübingen; Summer Visitor, School of Historical Studies

### May 13

Early Modern Europe Workshop + *Early Modern Picturing of the Social and Nineteenth-Century Realism* + **Alexander Desmond Potts**, University of Michigan; Member, School of Historical Studies

### June 8

Digital Ottoman Platform Workshop + *Welcome and Opening Remarks* + **Sabine Schmidtke**, Professor, School of Historical Studies + *Introduction to the Digital Ottoman Platform* + **Amy Elizabeth Singer**, Tel Aviv University; Member, School of Historical Studies + *China Historical GIS and China Biographical Database* + **Lex Berman**, Harvard University + *Developing Cross-Regional Syntheses from Regional Survey Data: Opportunities and Challenges* + **Jim Newhard**, College of Charleston + *Textual Topographies—Some Notes on Patterned Corpora of Arabic Literary Texts* + **Elias Muhanna**, Brown University + *Locating the Early Modern Islamic Archive in the Digital Turn* + **Nir Shafir**, University of California, Los Angeles + *General Discussion* + **Mark Polczynski**, Marquette University

### June 9

Digital Ottoman Platform Workshop + *Data and Databases—Text, Place, and Numbers—Organizing, Relating, and Integrating* + **Nir Shafir**, University of California, Los Angeles + *Flexible Ontologies for Ottoman Person-Data* + **Will Hanley**, Florida State University + *Analyzing Arabic Biographical Collections at Scale* + **Maxim Romanov**, Tufts University + *E-Books in Seventeenth-Century Istanbul* + **Meredith Quinn**, Harvard University + *Relational Model of Data Collection: Geography of North African Piracy in the Seventeenth Century* + **Eda Özel**, Harvard University + *Linking Kemalpa azade: Ottoman Studies and the Semantic Web* + **Guy Burak**, New York University + *Digitizing Dragomans: Exploring Connectivities, Confluences, and Textual Transformations in an Online Repository* + **Natalie Rothman**, University of Toronto + *General Discussion* + **Lex Berman**, Harvard University

## June 10

Digital Ottoman Platform Workshop + *Sourcing Crowds and Developing Publics: On Valuing Digital Work, Integrating Students, and the Public in the Work* + **Michael Polczyński**, Georgetown University + *Public History and the Middle East* + **Chris Gratien**, Georgetown University + *What to Expect from the Crowd and the Surrogate: An Experience with Collaborative Manuscript Description in the Digital Environment* + **Evyn Kropf**, University of Michigan + *Mapping Istanbul's Hamams and Routes of Visual Culture: Two Case-Studies of ArcGIS Use in Research and Teaching* + **Nina Ergin**, Koç University + *Reconstructing Ottoman Armenian Life, Culture, and Society in the Digital Age: Four Years with the Houshamadyan Project* + **Vahe Tachjian**, Houshamadyan Project, Paris + *General Discussion* + **Jim Newhard**, College of Charleston

## June 11

Digital Ottoman Platform Workshop + *Visualization: Finding and Displaying Patterns in Data and the DOP Interface* + **Chris Gratien**, Georgetown University + *Ottoman Thrace in H-GIS SEE (Southeastern Europe)* + **Grigor Boykov**, Sofia University + *Mobility and Infrastructure in the Ottoman Balkans: Geospatial Analysis and Digital Imagery* + **Jesse Howell**, Harvard University + *Mapping Economic Space in the Ottoman World* + **Elias Kolovos**, University of Crete and Institute for Mediterranean Studies, Foundation for Research and Technology-Hellas (FORTH) + *Geographical Text Analysis: Approaches to Understand the Geographies in Texts* + **Ian Gregory**, Lancaster University + *Medieval Peasants in Space: Digital Implications of a Study of Landscape* + **Nicolas Trépanier**, University of Mississippi + *The Ottoman Inscription Archive: An On-Site, Crowdsourced, Online Digital Geodatabase of Ottoman Dedication Inscriptions* + **Michael Polczyński**, Georgetown University + *General Discussion* + **Ian Gregory**, Lancaster University

## June 12

Digital Ottoman Platform Workshop + *The Digital Ottoman Platform—Shape, Size, Scope—Planning, Managing, Funding* + **Amy Elizabeth Singer**, Tel Aviv University; Member, School of Historical Studies + *The DOP: Opportunity for a Paradigm Shift?/Creating a Sustainable Competitive Advantage* + **Mark Polczyński**, Marquette University + *General Discussion and Closing Remarks* + **Amy Elizabeth Singer**, Tel Aviv University; Member, School of Historical Studies

## School of Mathematics

### July 21

Joint IAS/Princeton University Geometry Seminar + *Measures on Spaces of Riemannian Metrics* + **Dmitry Jakobson**, McGill University

## September 16

Topology of Algebraic Varieties + *Hodge Theory and Derived Categories of Cubic Fourfolds* + **Richard Thomas**, Imperial College London + *Generic K3 Categories and Hodge Theory* + **Daniel Huybrechts**, Universität Bonn

## September 18

Working Group on Algebraic Number Theory  
Joint IAS/Princeton University Number Theory Seminar + *Iwasawa Main Conjecture for Supersingular Elliptic Curves* + **Xin Wan**, Columbia University

## September 22

Computer Science/Discrete Mathematics Seminar I + *Coloring Graphs with No Odd Holes* + **Paul Seymour**, Princeton University

## September 23

Computer Science/Discrete Mathematics Seminar II + *Uniform Words Are Primitive* + **Doron Puder**, Member, School of Mathematics

Short Talks by Postdoctoral Members + *Exponential Separation of Information and Communication* + **Gillat Kol**, Member, School of Mathematics + *Overtwisted Contact Structures* + **Matthew Strom Borman**, Member, School of Mathematics + *Arithmetic Statistics over Number Fields and Function Fields* + **Alexei Entin**, Member, School of Mathematics + *Analysis of Boolean Functions on Association Schemes* + **Yuval Filmus**, Member, School of Mathematics + *Instability and Stratifications of Moduli Problems in Algebraic Geometry* + **Daniel Halpern-Leistner**, Member, School of Mathematics

## September 25

Princeton/IAS Symplectic Geometry Seminar + *Symplectic Fillings and Star Surgery* + **Laura Starkston**, University of Texas at Austin

Short Talks by Postdoctoral Members + *Algebraic Cycles on Holomorphic Symplectic Varieties* + **Lie Fu**, Member, School of Mathematics + *Local Relative Trace Formulas* + **Raphaël Beuzart-Plessis**, Member, School of Mathematics + *Rota's Conjecture and Positivity of Algebraic Cycles in Toric Varieties* + **June Huh**, Princeton University; Veblen Fellow, School of Mathematics + *Counting the Nodal Domains of the Laplacian Eigenfunctions on Surfaces* + **Junehyuk Jung**, Member, School of Mathematics + *The 3-Selmer Rank in Families of Cubic Twists of Elliptic Curves* + **Nayoung Kim**, Member, School of Mathematics + *High-Dimensional Expanders* + **Ori Parzanchevski**, Member, School of Mathematics

## September 26

Topology of Algebraic Varieties + *Symmetric Differentials and the Fundamental Group* + **Burt Totaro**, University of California, Los Angeles; Member, School of Mathematics

Short Talks by Postdoctoral Members + *The Polynomial Freiman-Ruzsa Conjecture in Additive Combinatorics and Its Applications in Computational Complexity* + **Noga Ron-Zewi**, Member, School of Mathematics + *From the Fukaya Category to Curve Counts via Hodge Theory* + **Nicholas Sheridan**, Veblen Research Instructor, School of Mathematics + *Fourier-Jacobi Periods and Central Value of L-Functions* + **Hang Xue**, Member, School of Mathematics

## September 29

Computer Science/Discrete Mathematics Seminar I + *Breaking  $e^n$  Barrier for Deterministic Poly-Time Approximation of the Permanent and Settling Friedland's Conjecture on the Monomer-Dimer Entropy* + **Leonid Gurvits**, City University of New York

Short Talks by Postdoctoral Members + *On the Local Geometry of the Zero Set of High-Energy Laplace Eigenfunctions* + **Yaiza Canzani**, Member, School of Mathematics + *Persistent Sheaves for Stratified Maps* + **Amit Patel**, Member, School of Mathematics + *Topology of Toric Origami Manifolds* + **Ana Pires**, Member, School of Mathematics + *Time, Space, and Monotone Circuits* + **Christopher Beck**, Member, School of Mathematics + *Dominant Irreducible Representations in Spectra of Cayley Graphs of Finite Groups* + **Doron Puder**, Member, School of Mathematics + *Are There Self-Similar Solutions to the 3D Euler Equations for Incompressible Fluids?* + **Michael Reiterer**, Member, School of Mathematics + *Arthur Packet through the Trace Formula* + **Bin Xu**, Member, School of Mathematics

## September 30

Computer Science/Discrete Mathematics Seminar II + *Uniform Words Are Primitive (continued)* + **Doron Puder**, Member, School of Mathematics

Topology of Algebraic Varieties + *The Fano Variety of Lines and Rationality Problem for a Cubic Hypersurface* + **Lev Borisov**, Rutgers, The State University of New Jersey + *Szemerédi-Trotter Theorems in Dimension 3* + **János Kollár**, Princeton University; Member, School of Mathematics + *Tropical Currents* + **June Huh**, Princeton University; Veblen Fellow, School of Mathematics

## October 1

Topology of Algebraic Varieties + *The Topology of Proper Toric Maps* + **Mark de Cataldo**, Stony Brook University, The State University of New York; Member, School of Mathematics

Short Talks by Postdoctoral Members + *Sheaves on K3 Surfaces: Moduli Spaces, Lagrangian Fibrations, and Their Singularities* + **Giulia Saccà**, Member, School of Mathematics + *Spectral and Scattering Features of Hyperbolic Manifolds* + **Michael Robert Magee**, Member, School of Mathematics + *Higher-Order Curvatures and Isoperimetric Inequalities* + **Yi Wang**, Member, School of Mathematics + *Dynamics and*

*Birational Geometry* + **John Daniel Lesieutre**, Member, School of Mathematics + *Cylindrical Contact Homology in Dimension 3 via Intersection Theory and More* + **Joanna Nelson**, Member, School of Mathematics + *Finding Rational Curves by Forgetful Map* + **Hong Run Zong**, Member, School of Mathematics

#### October 2

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar + *The Standard L-Function for  $G_2$ : A “New Way”* + **Nadya Gurevich**, Ben-Gurion University of the Negev

#### October 6

Computer Science/Discrete Mathematics Seminar I + *The Communication Complexity of Distributed Subgraph Detection* + **Rotem Oshman**, Tel Aviv University

Members' Seminar + *Hodge Theory, Coniveau, and Algebraic Cycles* + **Claire Voisin**, CNRS, Institut de Mathématiques de Jussieu; Distinguished Visiting Professor, School of Mathematics

#### October 7

Computer Science/Discrete Mathematics Seminar II + *Monotone Submodular Maximization over a Matroid* + **Yuval Filmus**, Member, School of Mathematics

Topology of Algebraic Varieties + *On Euler-Poincaré Characteristics* + **Mark de Cataldo**, Stony Brook University, The State University of New York; Member, School of Mathematics + *Chow Rings and Modified Diagonals* + **Kieran O’Grady**, Università degli Studi di Roma, La Sapienza; Member, School of Mathematics + *Two Counterexamples Arising from Infinite Sequences of Flops* + **John Daniel Lesieutre**, Member, School of Mathematics

#### October 8

Topology of Algebraic Varieties + *The Construction Problem for Hodge Numbers* + **Stefan Schreieder**, Universität Bonn

Mathematical Conversations + *Randomness in the Möbius Function and Dynamics* + **Peter Samak**, Professor, School of Mathematics

#### October 9

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar + *Euler Systems from Special Cycles on Unitary Shimura Varieties and Arithmetic Applications* + **Dimitar Jetchev**, École Polytechnique Fédérale de Lausanne

#### October 10

Princeton/IAS Symplectic Geometry Seminar + *Superconformal Simple Type and Witten’s Conjecture on the Relation between Donaldson and Seiberg-Witten Invariants* + **Paul Feehan**, Rutgers, The State University of New Jersey

#### October 13

Workshop on Fundamental Groups and Periods

Computer Science/Discrete Mathematics Seminar I + *Cool with a Gaussian: An  $O^*(n^3)$  Volume Algorithm* + **Santosh Vempala**, Georgia Institute of Technology

#### October 14

Workshop on Fundamental Groups and Periods

Computer Science/Discrete Mathematics Seminar II + *Sampling-Based Proof of the Quasipolynomial Bogolyubov-Ruzsa Theorem and Algorithmic Applications* + **Noga Ron-Zewi**, Member, School of Mathematics

#### October 15

Workshop on Fundamental Groups and Periods

#### October 16

Workshop on Fundamental Groups and Periods

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar + *On the Unipotent Contributions of the Arthur-Selberg Trace Formula for  $GL(n)$*  + **Pierre-Henri Chaudouard**, Université Paris Diderot; von Neumann Fellow, School of Mathematics

#### October 17

Workshop on Fundamental Groups and Periods

Princeton/IAS Symplectic Geometry Seminar + *Equivariant Structures in Mirror Symmetry* + **James Pascaleff**, University of Illinois at Urbana-Champaign

#### October 18

Workshop on Topology: Identifying Order in Complex Systems + *Topological Order: Umbilics in Chiral Liquid Crystals* + **Gareth Alexander**, University of Warwick + *Geometries of Sensor Outputs, Inference, Fusion, and Information Processing* + **Ronald Coifman**, Yale University + *Toward Predicting and Preventing Machine Chatter Using Persistent Homology* + **Elizabeth Munch**, University at Albany, State University of New York + *A Few Statistical Properties of Topological Information Inferred from Data* + **Frederick Chazal**, Institut National de Recherche en Informatique et en Automatique, Saclay + *Topological Data Analysis on Amorphous Structure* + **Yasuaki Hiraoka**, Kyushu University

Members' Seminar + *Act Globally, Compute Locally: Group Actions, Fixed Points, and Localization* + **Tara Holm**, Cornell University; von Neumann Fellow, School of Mathematics

Overtwisted Contact Structures + *Lectures on Overtwisted Contact Structures* + **Matthew Strom Borman**, Member, School of Mathematics

Topology of Algebraic Varieties + *Finite Dimensionality and Cycles on Powers of  $K3$  Surfaces* + **Claire Voisin**, CNRS, Institut de Mathématiques de Jussieu; Distinguished Visiting Professor, School of Mathematics + *Positive Cones of Higher (Co)dimensional Numerical Cycle Classes* + **Mihai Fulger**, Princeton University + *The Structure of Instability in Moduli Theory* + **Daniel Halpern-Leistner**, Member, School of Mathematics

#### October 22

Topology of Algebraic Varieties + *Extending Differential Forms and the Lipman-Zariski Conjecture* + **Sándor J. Kovács**, University of Washington; Member, School of Mathematics

Special Mathematical Physics Seminar + *Quasiperiodic Operators with Monotone Potentials: Sharp Arithmetic Spectral Transitions and Small Coupling Localization* + **Svetlana Jitomirskaya**, University of California, Irvine

Mathematical Conversations + *Tropical Hypersurfaces* + **Nicholas Sheridan**, Princeton University; Veblen Research Instructor, School of Mathematics

#### October 23

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar + *An Algebro-Geometric Theory of Vector-Valued Modular Forms of Half-Integral Weight* + **Luca Candelori**, Louisiana State University

#### October 24

Joint Columbia/IAS/Princeton Symplectic Seminar + *Symplectic Embeddings from Concave Toric Domains into Convex Ones* + **Dan Cristofaro-Gardiner**, Harvard University

Joint Columbia/IAS/Princeton Symplectic Seminar + *Beyond ECH Capacities* + **Michael Hutchings**, University of California, Berkeley

#### October 27

Computer Science/Discrete Mathematics Seminar I + *Discretization and Quantitative Differentiation* + **Assaf Naor**, Princeton University

Members' Seminar + *Apery, Irrationality Proofs, and Dinner Parties* + **Francis Brown**, Institut de Mathématiques de Jussieu, Université Paris VII; von Neumann Fellow, School of Mathematics

Overtwisted Contact Structures + *Lectures on Overtwisted Contact Structures* + **Matthew Strom Borman**, Member, School of Mathematics

#### October 28

Computer Science/Discrete Mathematics Seminar II + *Exponential Separation of Information and Communication* + **Gillat Kol**, Member, School of Mathematics



Topology of Algebraic Varieties + *Terminal Valuations and the Nash Problem* + **Javier Fernández de Bobadilla**, Institute for Mathematical Sciences, Instituto de Ciencias Matemáticas, Consejo Superior de Investigaciones Científicas; Member, School of Mathematics + *Singular Moduli Spaces and Nakajima Quiver Varieties* + **Giulia Saccà**, Member, School of Mathematics

Special Symplectic Geometry Seminar + *Designing Low Energy Capture Transfers for Spacecraft to the Moon and Mars* + **Edward Belbruno**, Princeton University and Innovative Orbital Design, Inc.

### October 29

Topology of Algebraic Varieties + *Mirror Symmetry & Looijenga's Conjecture* + **Philip Engel**, Columbia University

### October 31

Princeton/IAS Symplectic Geometry Seminar + *On the Gromov Width of Polygon Spaces* + **Alessia Mandini**, Università degli Studi di Pavia

### November 3

Computer Science/Discrete Mathematics Seminar I + *Information Percolation for the Ising Model* + **Eyal Lubetzky**, New York University

Hermann Weyl Lectures + *Sparsification of Graphs and Matrices* + **Daniel Spielman**, Yale University

### November 4

Computer Science/Discrete Mathematics Seminar II + *Sign Rank, Spectral Gap, and VC Dimension* + **Noga Alon**, Tel Aviv University; Visiting Professor, School of Mathematics

Topology of Algebraic Varieties + *Birational Actions of  $SL(n, \mathbb{Z})$  I* + **Serge Marc Cantat**, CNRS, Université de Rennes 1; Member, School of Mathematics + *Beauville's Splitting Principle for Chow Rings of Projective Hyperkähler Manifolds* + **Lie Fu**, Member, School of Mathematics

### November 5

Topology of Algebraic Varieties + *Elliptic Genera of Pfaffian-Grassmannian Double Mirrors* + **Lev Borisov**, Rutgers, The State University of New Jersey

Hermann Weyl Lectures + *The Solution of the Kadison-Singer Problem* + **Daniel Spielman**, Yale University

Mathematical Conversations + *Differential Forms and Homotopy Groups* + **Richard M. Hain**, Duke University; Member, School of Mathematics

### November 6

Hermann Weyl Lectures + *Ramanujan Graphs of Every Degree* + **Daniel Spielman**, Yale University

Joint IAS/Princeton University Number Theory Seminar + *Representations of Finite Groups and Applications* + **Pham Tiep**, Harvard University and the University of Arizona

### November 7

Princeton/IAS Symplectic Geometry Seminar +  *$C^0$ -Characterization of Symplectic and Contact Embeddings* + **Stefan Müller**, University of Illinois at Urbana-Champaign

### November 10

Computer Science/Discrete Mathematics Seminar I + *Talagrand's Convolution Conjecture and Geometry via Coupling* + **James Lee**, University of Washington

Members' Seminar + *Shot-Noise Random Fields: Some Geometric Properties and Some Applications for Images* + **Agnès Desolneux**, École Normale Supérieure de Cachan; Member, School of Mathematics

Overtwisted Contact Structures + *Lectures on Overtwisted Contact Structures* + **Matthew Strom Borman**, Member, School of Mathematics

### November 11

Computer Science/Discrete Mathematics Seminar II + *Asymptotic Expansions of the Central Limit Theorem and Its Applications* + **Anindya De**, Visitor, School of Mathematics

Topology of Algebraic Varieties + *Birational Actions of  $SL(n, \mathbb{Z})$  II* + **Serge Marc Cantat**, CNRS, Université de Rennes 1; Member, School of Mathematics + *Mixed Hodge Theory: Some Intuitions* + **Pierre Deligne**, Professor Emeritus, School of Mathematics + *Zarhin's Trick and Geometric Boundedness Results for  $K3$  Surfaces* + **François Charles**, Université Paris-Sud 11

### November 12

Topology of Algebraic Varieties + *Universal Chow Group of Zero-Cycles on Cubic Hypersurfaces* + **Claire Voisin**, CNRS, Institut de Mathématiques de Jussieu; Distinguished Visiting Professor, School of Mathematics + *Network Topology and Strategic Behavior* + **Michael Kearns**, University of Pennsylvania + *Topological Mechanical Metamaterials* + **Vincenzo Vitelli**, Universiteit Leiden + *Topological Sampling and Disordered Solids* + **Shmuel Weinberger**, The University of Chicago

### November 13

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar + *Fourier-Jacobi Periods on Unitary Groups* + **Hang Xue**, Member, School of Mathematics

### November 14

Princeton/IAS Symplectic Geometry Seminar + *Stability in Fukaya Categories of Surfaces* + **Fabian Haiden**, Universität Wien

Princeton/IAS Symplectic Geometry Seminar + *The Lefschetz Hyperplane Theorem Is Mostly Wrong (Symplectically Speaking)* + **Mark McLean**, Stony Brook University, The State University of New York

Mathematical Conversations + *The Surprise Examination Paradox and the Second Incompleteness Theorem* + **Ran Raz**, Weizmann Institute of Science; Visiting Professor, School of Mathematics

### November 17

Computer Science/Discrete Mathematics Seminar I + *Mutation as a Computational Event* + **Adi Livnat**, Virginia Polytechnic Institute and State University

Members' Seminar + *Hyperbolic Groups, Cannon-Thurston Maps, and Hydra* + **Timothy Riley**, Cornell University; Member, School of Mathematics

Overtwisted Contact Structures + *Lectures on Overtwisted Contact Structures* + **Matthew Strom Borman**, Member, School of Mathematics

### November 18

Computer Science/Discrete Mathematics Seminar II + *Toric Origami Manifolds and Origami Templates* + **Tara Holm**, Cornell University; von Neumann Fellow, School of Mathematics

Topology of Algebraic Varieties + *Boundedness of Log General Type Pairs I* + **Chenyang Xu**, Peking University; Member, School of Mathematics + *The Geometry and Topology of Rational Surfaces with an Anticanonical Cycle* + **Robert Friedman**, Columbia University

### November 19

Topology of Algebraic Varieties + *Birational Geometry of Complex Hyperbolic Manifolds* + **Gabriele di Cerbo**, Columbia University

Mathematical Conversations + *Trivializing the Trivial Group* + **Timothy Riley**, Cornell University; Member, School of Mathematics

### November 20

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar + *Weyl-Type Hybrid Subconvexity Bounds for Twisted L-Functions and Heegner Points on Shrinking Sets* + **Matthew Patrick Young**, Texas A&M University; von Neumann Fellow, School of Mathematics

### November 21

Princeton/IAS Symplectic Geometry Seminar + *Cyclic Homology and  $S^1$ -Equivariant Symplectic Cohomology* + **Sheel Ganatra**, Stanford University

## November 24

Computer Science/Discrete Mathematics  
Seminar I ♦ *Computational Fair Division* ♦ **Ariel Proccaccia**, Carnegie Mellon University

Members' Seminar ♦ *P = W: A Strange Identity for  $GL(2, C)$*  ♦ **Mark de Cataldo**, Stony Brook University, The State University of New York; Member, School of Mathematics

## November 25

Computer Science/Discrete Mathematics  
Seminar II ♦ *Sum-of-Squares Lower Bounds for the Planted Clique Problem* ♦ **Avi Wigderson**, Herbert H. Maass Professor, School of Mathematics

Topology of Algebraic Varieties ♦ *Boundedness of Log General Type Pairs II* ♦ **Chenyang Xu**, Peking University; Member, School of Mathematics

## December 1

Computer Science/Discrete Mathematics  
Seminar I ♦ *Parallel Repetition from Fortification* ♦ **Dana Moshkovitz**, Massachusetts Institute of Technology

Members' Seminar ♦ *Graphs, Vectors, and Integers* ♦ **Noga Alon**, Tel Aviv University; Visiting Professor, School of Mathematics

## December 2

Computer Science/Discrete Mathematics  
Seminar II ♦ *Taming the Hydra: The Word Problem, Dehn Functions, and Extreme Integer Compression* ♦ **Timothy Riley**, Cornell University; Member, School of Mathematics

Topology of Algebraic Varieties ♦ *Degeneration of Fano Kähler-Einstein Manifolds* ♦ **Xiaowei Wang**, Rutgers University, Newark ♦ *Codimension Two Cycles* ♦ **Madhav Nori**, The University of Chicago; Member, School of Mathematics

## December 3

Topology of Algebraic Varieties ♦ *Minimal Log Discrepancy of Isolated Singularities and Reeb Orbits* ♦ **Mark McLean**, Stony Brook University, The State University of New York

## December 4

Joint IAS/Princeton University Number Theory Seminar ♦ *Level Raising Mod 2 and Arbitrary 2-Selmer Ranks* ♦ **Chao Li**, Harvard University

## December 5

Princeton/IAS Symplectic Geometry Seminar ♦ *Gauged Linear  $s$ -Model and Gauged Witten Equation* ♦ **Guangbo Xu**, University of California, Irvine

Mathematical Conversations ♦ *Can One Decide on Being Free or Thin?* ♦ **Christopher Hall**, University of Wyoming; von Neumann Fellow, School of Mathematics

## December 8

Computer Science/Discrete Mathematics  
Seminar I ♦ *Area Laws and the Complexity of Quantum States* ♦ **Umesh Vazirani**, University of California, Berkeley

Members' Seminar ♦ *Ball Quotients* ♦ **Bruno Klingler**, Institut de Mathématiques de Jussieu, Université Paris VII; Member, School of Mathematics

## December 9

Computer Science/Discrete Mathematics  
Seminar II ♦ *More on Sum-of-Squares Proofs for Planted Clique* ♦ **Avi Wigderson**, Herbert H. Maass Professor, School of Mathematics

Topology of Algebraic Varieties ♦ *The Andre-Oort Conjecture I* ♦ **Bruno Klingler**, Institut de Mathématiques de Jussieu, Université Paris VII; Member, School of Mathematics ♦ *A Support Theorem for the Hitchin Fibration* ♦ **Pierre-Henri Chaudouard**, Université Paris Diderot; von Neumann Fellow, School of Mathematics

## December 10

Topology of Algebraic Varieties ♦ *The Andre-Oort Conjecture II* ♦ **Bruno Klingler**, Institut de Mathématiques de Jussieu, Université Paris VII; Member, School of Mathematics ♦ *Beyond Linear Algebra* ♦ **Bernd Sturmfels**, University of California, Berkeley ♦ *Topological Similarity of Random Cell Complexes, and Applications* ♦ **Benjamin Schweinhart**, Princeton University ♦ *The Law of Aboav-Wéaire and Extensions* ♦ **Richard Ehrenborg**, University of Kentucky and Princeton University

## December 11

Joint IAS/Princeton University Number Theory Seminar ♦ *The Polynomial Method* ♦ **Jordan Ellenberg**, University of Wisconsin-Madison

Joint IAS/Princeton University Number Theory Seminar ♦ *Selmer Groups, Automorphic Periods, and Bloch-Kato Conjecture* ♦ **Yifeng Liu**, Massachusetts Institute of Technology

## December 12

Princeton/IAS Symplectic Geometry Seminar ♦ *On Normal Crossings Symplectic Divisors* ♦ **Aleksey Zinger**, Stony Brook University, The State University of New York

## December 15

Analysis, Spectra, and Number Theory:  
A Conference in Honor of Peter Sarnak's 61st Birthday

## December 16

Analysis, Spectra, and Number Theory:  
A Conference in Honor of Peter Sarnak's 61st Birthday

Topology of Algebraic Varieties ♦ *The Archimedean Height and Singularities in Hodge Theory* ♦ **Patrick Gerald Brosnan**, University of Maryland; Member, School of Mathematics ♦

*Some Algebro-Geometric Aspects of Limiting Mixed Hodge Structure* ♦ **Phillip A. Griffiths**, Professor Emeritus, School of Mathematics

## December 17

Analysis, Spectra, and Number Theory:  
A Conference in Honor of Peter Sarnak's 61st Birthday

Topology of Algebraic Varieties ♦ *Periods, Calabi-Yau Fibrations, and Mirror Symmetry* ♦ **Charles Doran**, University of Alberta

## December 18–19

Analysis, Spectra, and Number Theory:  
A Conference in Honor of Peter Sarnak's 61st Birthday

## January 13

Topology of Algebraic Varieties ♦ *Normal Functions and the Geometry of Moduli Spaces of Curves* ♦ **Richard M. Hain**, Duke University; Member, School of Mathematics

## January 14

Topology of Algebraic Varieties ♦ *Stable Cohomology of Compactifications of  $A_g$*  ♦ **Klaus Hulek**, Gottfried Wilhelm Leibniz Universität Hannover

## January 20

Computer Science/Discrete Mathematics  
Seminar II ♦ *Small Value Parallel Repetition for General Games* ♦ **Ankit Garg**, Princeton University

Topology of Algebraic Varieties ♦ *On Descending Cohomology Geometrically* ♦ **Sebastian Casalaina-Martin**, University of Colorado

## January 21

Topology of Algebraic Varieties ♦ *A Birational Model of the Cartwright-Steger Surface* ♦ **Igor Dolgachev**, University of Michigan

Mathematical Conversations ♦ *Galois Groups and Hyperbolic 3-Manifolds* ♦ **Richard Taylor**, Robert and Luisa Fernholz Professor, School of Mathematics

## January 26

Computer Science/Discrete Mathematics  
Seminar I ♦ *Publicly Verifiable Non-Interactive Arguments for Delegating Computation* ♦ **Guy Rothblum**, Stanford University

## January 28

Topology of Algebraic Varieties ♦ *Toric Chordality and Applications* ♦ **Karim Alexander Adiprasito**, Member, School of Mathematics

Mathematical Conversations ♦ *Periods* ♦ **Francis Brown**, Institut de Mathématiques de Jussieu, Université Paris VII; von Neumann Fellow, School of Mathematics



### January 29

Joint IAS/Princeton University Number Theory Seminar ♦ *Endoscopy Theory for Symplectic and Orthogonal Similitude Groups* ♦ **Bin Xu**, Member, School of Mathematics

### January 30

Princeton/IAS Symplectic Geometry Seminar ♦ *Symplectic Forms in Algebraic Geometry* ♦ **Giulia Saccà**, Member, School of Mathematics

### February 2

Computer Science/Discrete Mathematics Seminar I ♦ *On Monotonicity Testing and Boolean Isoperimetric Type Theorems* ♦ **Subhash Khot**, New York University

Members' Seminar ♦ *Finite or Infinite? One Key to Algebraic Cycles* ♦ **Burt Totaro**, University of California, Los Angeles; Member, School of Mathematics

### February 3

Computer Science/Discrete Mathematics Seminar II ♦ *Dimension Expanders via Rank Condensers* ♦ **Michael Forbes**, Member, School of Mathematics

Topology of Algebraic Varieties ♦ *On the Homology and the Tree of  $SL_2$  over Polynomial Rings, and Reflexive Sheaves of Rank 2 on Projective Spaces I* ♦ **Fabien Morel**, Ludwig-Maximilians-Universität München; Member, School of Mathematics ♦ *Moduli of Degree 4  $K3$  Surfaces Revisited* ♦ **Radu Laza**, Stony Brook University, The State University of New York; von Neumann Fellow, School of Mathematics

Joint IAS/Princeton University Number Theory Seminar ♦ *On the Rationality of the Logarithmic Growth Filtration of Solutions of  $p$ -adic Differential Equations* ♦ **Shun Ohkubo**, The University of Tokyo

### February 4

Topology of Algebraic Varieties ♦ *Exceptional Collections and the Néron-Severi Lattice for Surfaces* ♦ **Charles Vial**, University of Cambridge; Member, School of Mathematics

Mathematical Conversations ♦ *Structure vs. Randomness* ♦ **Avi Wigderson**, Herbert H. Maass Professor, School of Mathematics

### February 5

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ♦ *On the Formal Degrees of Square-Integrable Representations of Odd Special Orthogonal and Metaplectic Groups* ♦ **Atsushi Ichino**, Kyoto University

### February 6

Princeton/IAS Symplectic Geometry Seminar ♦ *Path Products in Projective Space* ♦ **Nancy Hingston**, The College of New Jersey

### February 9

Computer Science/Discrete Mathematics Seminar I ♦ *Quantum Computing with Non-Interacting Particles* ♦ **Alex Arkhipov**, Massachusetts Institute of Technology

Members' Seminar ♦ *Twisted Matrix Factorizations and Loop Groups* ♦ **Daniel Freed**, University of Texas at Austin; Member, Schools of Mathematics and Natural Sciences

### February 10

Computer Science/Discrete Mathematics Seminar II ♦ *How to Round Subspaces: A New Spectral Clustering Algorithm* ♦ **Ali Kemal Sinop**, Simons Institute for the Theory of Computing, University of California, Berkeley

Topology of Algebraic Varieties ♦ *On the Homology and the Tree of  $SL_2$  over Polynomial Rings, and Reflexive Sheaves of Rank 2 on Projective Spaces II* ♦ **Fabien Morel**, Ludwig-Maximilians-Universität München; Member, School of Mathematics ♦ *Extending the Prym Map* ♦ **Samuel Grushevsky**, Stony Brook University, The State University of New York

### February 11

Topology of Algebraic Varieties ♦ *Algebraic Curves, Tropical Geometry, and Moduli* ♦ **Sam Payne**, Yale University; von Neumann Fellow, School of Mathematics

### February 12

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ♦ *Kottwitz-Rapoport Conjecture on Crystals with Additional Structure* ♦ **Xuhua He**, University of Maryland

### February 13

Princeton/IAS Symplectic Geometry Seminar ♦ *Symplectic Homology via Gromov-Witten Theory* ♦ **Luis Diogo**, Columbia University

Mathematical Conversations ♦ *The Study of Free Groups via Stallings Core Graphs* ♦ **Doron Puder**, Member, School of Mathematics

### February 16

Computer Science/Discrete Mathematics Seminar I ♦ *2-Server PIR with Sub-Polynomial Communication* ♦ **Sivakanth Gopi**, Princeton University

### February 17

Computer Science/Discrete Mathematics Seminar II ♦ *The Log-Concavity Conjecture and the Tropical Laplacian* ♦ **June Huh**, Princeton University; Veblen Fellow, School of Mathematics

Topology of Algebraic Varieties ♦ *Proper Base Change for Zero Cycles* ♦ **Moritz Kerz**, Universität Regensburg; Member, School of Mathematics

### February 18

Topology of Algebraic Varieties ♦ *The Cohomology Groups of Hilbert Schemes and Compactified Jacobians of Planar Curves* ♦ **Luca Migliorini**, Università Degli Studi Di Bologna; Member, School of Mathematics

Mathematical Conversations ♦ *Riemann-Hilbert Problems* ♦ **Irina Mitrea**, Temple University; von Neumann Fellow, School of Mathematics

### February 19

Special Seminar ♦ *Bordism, QFT, and a Topological Invariant of Certain Lattice Systems* ♦ **Daniel Freed**, University of Texas at Austin; Member, School of Mathematics and Natural Sciences

Working Group on Algebraic Number Theory

Princeton/IAS Symplectic Geometry Seminar ♦ *Existence of Lefschetz Fibrations on Stein/Weinstein Domains* ♦ **John Pardon**, Stanford University

Joint IAS/Princeton University Number Theory Seminar ♦ *Eigencurve over the Boundary of the Weight Space* ♦ **Liang Xiao**, University of Connecticut

### February 20

Princeton/IAS Symplectic Geometry Seminar ♦ *The Symplectic Displacement Energy* ♦ **Peter Spaeth**, GE Global Research

### February 23

Computer Science/Discrete Mathematics Seminar I ♦ *Lower Bounds for Clique vs. Independent Set* ♦ **Mika Göös**, University of Toronto

Members' Seminar ♦ *Arthur's Trace Formula and Distribution of Hecke Eigenvalues for  $GL(n)$*  ♦ **Jasmin Matz**, Member, School of Mathematics

### February 24

Computer Science/Discrete Mathematics Seminar II ♦ *Computing Inverses* ♦ **Louis Rowen**, Bar-Ilan University

Topology of Algebraic Varieties ♦ *Projectivity of the Moduli Space of  $KSBA$  Stable Pairs and Applications* ♦ **Zsolt Patakfalvi**, Princeton University

### February 25

Topology of Algebraic Varieties ♦ *Automorphisms of Smooth Canonically Polarised Surfaces in Characteristic 2* ♦ **Nikolaos Tziolas**, University of Cyprus

### February 26

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ♦ *Around the Möbius Function* ♦ **Maksym Radziwill**, Rutgers, The State University of New Jersey

### February 27

Princeton/IAS Symplectic Geometry Seminar ♦  
*Disc Filling and Connected Sum* ♦ **Kai Zehmisch**,  
Universität Münster

Mathematical Conversations ♦ *The Algebraic  
Fundamental Group of a Topologically Simply-  
Connected Algebraic Variety* ♦ **Fabien Morel**,  
Ludwig-Maximilians-Universität München;  
Member, School of Mathematics

### March 2

Computer Science/Discrete Mathematics  
Seminar I ♦ *Effective-Resistance-Reducing Flows,  
Spectrally Thin Trees, and Asymmetric TSP* ♦  
**Shayan Oveis Gharan**, University of  
California, Berkeley

Marston Morse Lectures ♦ *Joint Equidistribution  
of Arithmetic Orbits, Joinings, and Rigidity of  
Higher Rank Diagonalizable Actions I* ♦ **Elon  
Lindenstrauss**, The Hebrew University of  
Jerusalem

Princeton/IAS Symplectic Geometry Seminar ♦  
*From Knots to Clusters: The Path via Sheaves* ♦  
**Eric Zaslow**, Northwestern University

### March 3

Computer Science/Discrete Mathematics  
Seminar II ♦ *Whitney Numbers via Measure  
Concentration in Representation Varieties* ♦ **Karim  
Alexander Adiprasito**, Member, School of  
Mathematics

Topology of Algebraic Varieties ♦ *A Survey  
of Motivic Homotopy Theory* ♦ **Marc Levine**,  
Universität Duisburg-Essen ♦ *On Some  
Questions About Minimal Log Discrepancies* ♦  
**Mircea Mustata**, University of Michigan

### March 4

Topology of Algebraic Varieties ♦ *The Jumping  
Coefficients of Non-Q-Gorenstein Multiplier Ideals* ♦  
**Patrick Graf**, Universität Bayreuth

Marston Morse Lectures ♦ *Joint Equidistribution  
of Arithmetic Orbits, Joinings, and Rigidity of  
Higher Rank Diagonalizable Actions II* ♦ **Elon  
Lindenstrauss**, The Hebrew University of  
Jerusalem

Mathematical Conversations ♦ *Symmetries and  
Deformation Invariants in Quantum Mechanics* ♦  
**Daniel Freed**, University of Texas at Austin;  
Member, School of Mathematics and Natural  
Sciences

### March 5

Joint IAS/Princeton University Number  
Theory Seminar ♦ *Faltings Heights of CM Abelian  
Varieties* ♦ **Benjamin Howard**, Boston College

### March 6

Marston Morse Lectures ♦ *On Random Walks  
in the Group of Euclidean Isometries* ♦ **Elon  
Lindenstrauss**, The Hebrew University  
of Jerusalem

### March 9

Workshop on Chow Groups, Motives, and  
Derived Categories

Computer Science/Discrete Mathematics  
Seminar I ♦ *Strong Contraction and Influences in  
Tail Spaces* ♦ **Elchanan Mossel**, University  
of Pennsylvania

Spectral Geometry Seminar ♦ *Arthur's Trace  
Formula and Distribution of Hecke Eigenvalues* ♦  
**Jasmin Matz**, Member, School of  
Mathematics

### March 10

Workshop on Chow Groups, Motives, and  
Derived Categories

Computer Science/Discrete Mathematics  
Seminar II ♦ *Chernoff Bounds for Expander  
Walks* ♦ **Christopher Beck**, Member, School  
of Mathematics

### March 11

Workshop on Chow Groups, Motives, and  
Derived Categories

### March 12

Workshop on Chow Groups, Motives, and  
Derived Categories

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number  
Theory Seminar ♦ *F-Crystalline Representations  
and Kisin Modules* ♦ **Tong Liu**, Purdue  
University

### March 13

Workshop on Chow Groups, Motives, and  
Derived Categories

Princeton/IAS/Columbia Symplectic  
Geometry Seminar ♦ *Two New Constructions of  
Monotone Lagrangian Tori* ♦ **Denis Auroux**,  
University of California, Berkeley

Princeton/IAS/Columbia Symplectic  
Geometry Seminar ♦ *Koszul Duality Patterns  
in Floer Theory* ♦ **Yankı Lekili**, University of  
Illinois at Chicago

### March 16

Computer Science/Discrete Mathematics  
Seminar I ♦ *Tight Hardness of the Non-  
Commutative Grothendieck Problem* ♦ **Oded  
Regev**, New York University

Members' Seminar ♦ *Structures at Infinity in the  
Character Variety* ♦ **Carlos Tschudi Simpson**,  
CNRS, Université de Nice Sophia Antipolis;  
Member, School of Mathematics

Spectral Geometry Seminar ♦ *Quantum  
Ergodicity and the Number of Nodal Domains of  
Eigenfunctions* ♦ **Junehyuk Jung**, Member,  
School of Mathematics

### March 17

Computer Science/Discrete Mathematics  
Seminar II ♦ *Average-Case Lower Bounds for  
Formula Size* ♦ **Ran Raz**, Weizmann Institute  
of Science; Visiting Professor, School of  
Mathematics

Topology of Algebraic Varieties ♦  *$A^1$  Curves on  
Quasi-Projective Varieties* ♦ **Qile Chen**, Columbia  
University

### March 20

IAS/Columbia University/Bendersky-Gitler  
Symplectic Geometry Seminar ♦ *Nearby  
Lagrangians Are Simply Homotopic* ♦  
**Mohammed Abouzaid**, Columbia  
University ♦ *Non-Hamiltonian Actions with  
Isolated Fixed Points* ♦ **Sue Tolman**, University  
of Illinois at Urbana-Champaign

Mathematical Conversations ♦ *Quantum Spectral  
Curves* ♦ **Robbert Dijkgraaf**, Director and  
Leon Levy Professor, Institute for Advanced  
Study

### March 23

Princeton/IAS Symplectic Geometry Seminar ♦  
*Floer-like Complexes for Surfaces, Maximally  
Unlinked Braids, and Finite Energy Foliations* ♦  
**Barney Bramham**, Ruhr-Universität  
Bochum

Computer Science/Discrete Mathematics  
Seminar I ♦ *Random Walks That Find Perfect  
Objects and the Lovász Local Lemma* ♦ **Dimitris  
Achlioptas**, University of California, Santa  
Cruz

Members' Seminar ♦ *Decoupling in Harmonic  
Analysis and Applications to Number Theory* ♦  
**Jean Bourgain**, IBM von Neumann  
Professor, School of Mathematics

### March 24

Computer Science/Discrete Mathematics  
Seminar II ♦ *Tractability as Compressibility* ♦  
**Dimitris Achlioptas**, University of California,  
Santa Cruz

Topology of Algebraic Varieties ♦ *The Projective  
Line Minus 3 Points I* ♦ **Francis Brown**,  
Institut de Mathématiques de Jussieu, Université  
Paris VII; von Neumann Fellow, School of  
Mathematics ♦ *On the Incidence Complex of  
the Boundary of the Character Variety* ♦ **Carlos  
Tschudi Simpson**, CNRS, Université de  
Nice Sophia Antipolis; Member, School of  
Mathematics

### March 25

Topology of Algebraic Varieties ♦ *Framed Motives  
of Algebraic Varieties (after V. Voevodsky)* ♦ **Ivan  
Panin**, Steklov Mathematical Institute, Russian  
Academy of Sciences; Member, School of  
Mathematics

Mathematical Conversations ♦ *The ABC Conjecture, Belyi's Theorem, and Applications* ♦ **Alexei Entin**, Member, School of Mathematics

### March 26

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ♦ *Most Odd Degree Hyperelliptic Curves Have Only One Rational Point* ♦ **Bjorn Poonen**, Massachusetts Institute of Technology

### March 30

Computer Science/Discrete Mathematics Seminar I ♦ *Intelligent Learning: Similarity Control and Knowledge Transfer* ♦ **Vladimir Vapnik**, Columbia University

Members' Seminar ♦ *Chern Classes of Schubert Cells and Varieties* ♦ **June Huh**, Princeton University; Veblen Fellow, School of Mathematics

Spectral Geometry Seminar ♦ *On the Geometry and Topology of Zero Sets of Schrödinger Eigenfunctions* ♦ **Yaiza Canzani**, Member, School of Mathematics

### March 31

Computer Science/Discrete Mathematics Seminar II ♦ *Kolmogorov Width of Discrete Linear Spaces: An Approach to Matrix Rigidity* ♦ **Sergey Yekhanin**, Microsoft Research

Topology of Algebraic Varieties ♦ *The Projective Line Minus 3 Points II* ♦ **Francis Brown**, Institut de Mathématiques de Jussieu, Université Paris VII; von Neumann Fellow, School of Mathematics ♦ *Proof of the Grothendieck-Serre Conjecture on Principal Bundles over Regular Local Rings Containing a Field* ♦ **Ivan Panin**, Steklov Mathematical Institute, Russian Academy of Sciences; Member, School of Mathematics

### April 1

Mathematical Conversations ♦ *Quasi-Crystals and Subdivision Tilings* ♦ **Robert F. Williams**, University of Texas at Austin; Visitor, School of Mathematics

### April 2

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ♦ *Complex Multiplication and  $K3$  Surfaces over Finite Fields* ♦ **Lenny Taelman**, Universiteit Leiden; von Neumann Fellow, School of Mathematics

### April 3

Princeton/IAS Symplectic Geometry Seminar ♦ *On Symplectic Homology of the Complement of a Normal Crossing Divisor* ♦ **Khoa Nguyen**, Stanford University

### April 6

Computer Science/Discrete Mathematics Seminar I ♦ *Natural Algorithms for Flow Problems* ♦ **Nisheeth Vishnoi**, École Polytechnique Fédérale de Lausanne

Members' Seminar ♦ *Fredholm Theory for Higher Order Elliptic Boundary Value Problems in Non-Smooth Domains* ♦ **Irina Mitrea**, Temple University; von Neumann Fellow, School of Mathematics

Spectral Geometry Seminar ♦ *Counting and Dynamics in  $SL_2$*  ♦ **Michael Robert Magee**, Member, School of Mathematics

### April 7

Computer Science/Discrete Mathematics Seminar II ♦ *Interleaved Products in Special Linear Groups: Mixing and Communication Complexity* ♦ **Emanuele Viola**, Northeastern University

### April 9

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ♦ *The André-Oort Conjecture Follows from the Colmez Conjecture* ♦ **Jacob Tsimerman**, University of Toronto

### April 10

Princeton/IAS Symplectic Geometry Seminar ♦ *Equivalent Notions of High-Dimensional Overtwistedness* ♦ **Emmy Murphy**, Massachusetts Institute of Technology

### April 13

Computer Science/Discrete Mathematics Seminar I ♦ *A New Approach to the Sensitivity Conjecture* ♦ **Michael Saks**, Rutgers, The State University of New Jersey

Members' Seminar ♦ *Quadratic Families of Elliptic Curves and Unirationality of Degree 1 Conic Bundles* ♦ **János Kollár**, Princeton University; Member, School of Mathematics

### April 14

IAS/Princeton Algebraic Geometry Day ♦ *Embedding the Derived Category of a Curve into a Fano Variety* ♦ **Alexander Kuznetsov**, Steklov Mathematical Institute, Russian Academy of Sciences ♦ *Factorization of Birational Maps on Steroids* ♦ **Dan Abramovich**, Brown University ♦ *Syzgies, Gonality, and Symmetric Products of Curves* ♦ **Robert Lazarsfeld**, Stony Brook University, The State University of New York

Public Lecture ♦ *Of Particles, Stars, and Eternity* ♦ **Cédric Villani**, Université de Lyon and Institut Henri Poincaré

### April 15

Princeton University Mathematics Department Colloquium ♦ *Universally Defined Cycles* ♦ **Claire Voisin**, CNRS, Institut de Mathématiques de Jussieu; Distinguished Visiting Professor, School of Mathematics

### April 16

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ♦ *The  $p$ -adic Gross-Zagier Formula on Shimura Curves* ♦ **Daniel Disegni**, McGill University

### April 17

Princeton/IAS Symplectic Geometry Seminar ♦ *Unlinked Fixed Points of Hamiltonian Diffeomorphisms and a Dynamical Construction of Spectral Invariants* ♦ **Sobhan Seyfaddini**, Massachusetts Institute of Technology

### April 18

Workshop on Topology: Identifying Order in Complex Systems ♦ *Characterizing Force-Chain Network Architecture in Granular Materials* ♦ **Danielle Bassett**, University of Pennsylvania ♦ *Entanglement of Embedded Graphs* ♦ **Toen Castle**, University of Pennsylvania ♦ *A New Potential Theory for the Maxwell Equations* ♦ **Leslie Greengard**, New York University ♦ *A Topological Approach for Investigating the Intrinsic Structure of Neural Activity* ♦ **Vladimir Itskov**, The Pennsylvania State University ♦ *Sensors, Sampling, and Scale Selection: A Homological Approach* ♦ **Don Sheehy**, University of Connecticut

### April 23

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ♦ *Extensions of the Gross-Zagier Formula* ♦ **Kartik Prasanna**, University of Michigan

### April 29

Topology of Algebraic Varieties ♦ *Derived Categories of Cyclic Covers and Their Branch Divisors* ♦ **Alexander Perry**, Harvard University

### April 30

Working Group on Algebraic Number Theory

Joint IAS/Princeton University Number Theory Seminar ♦ *Uniform Bounds for the Number of Rational Points on Curves of Small Mordell-Weil Rank* ♦ **Michael Stoll**, Universität Bayreuth

### May 1

Princeton/IAS Symplectic Geometry Seminar ♦ *Periodic Symplectic Cohomologies* ♦ **Jingyu Zhao**, Columbia University

Mini-Symposium on Topology ♦ *Is the Abstract Mathematics of Topology Applicable to the Real World?* ♦ **Robert MacPherson**, Hermann Weyl Professor, School of Mathematics; **Randall D. Kamien**, University of Pennsylvania; **Raúl Rabadán**, Columbia University

### May 7

Working Group on Algebraic Number Theory



Joint IAS/Princeton University Number Theory Seminar ♦ *Reductions of Galois Representations of Small Slopes* ♦ **Eknath Ghate**, Tata Institute of Fundamental Research, Mumbai

#### May 8

Special Analysis Seminar ♦ *Bernoulli Convolutions for Algebraic Parameters* ♦ **Péter Varjú**, University of Cambridge

#### May 11–15

2015 Women and Mathematics

#### May 19–22

2015 Women and Mathematics

## School of Natural Sciences

### ASTROPHYSICS ACTIVITIES

#### September 3

Special Cosmology Talk ♦ *Bayesian Chrono-Cosmography* ♦ **Florent Leclercq**, Institut d'Astrophysique de Paris

#### September 4

Special Cosmology Talk ♦ *Position-Dependent Power Spectrum of the Large-Scale Structure: A Novel Method to Measure the Squeezed-Limit Bispectrum* ♦ **Chi-Ting Chiang**, Max-Planck-Institut für Astrophysik

#### September 9

Special Cosmology Talk ♦ *Renormalized Bias in the Excursion Set Peak Approach* ♦ **Vincent Desjacques**, Université de Genève

#### September 11

Astrophysics Informal Seminar ♦ *The Formation of the First Stars* ♦ **Thomas Greif**, Harvard-Smithsonian Center for Astrophysics

#### September 15

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *Introductions and General Discussion* ♦ **Matias Zaldarriaga**, Professor, School of Natural Sciences, and **David Spergel**, Princeton University; Visitor, School of Natural Sciences

#### September 16

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *Various Aspects of the MW Disk's Vertical Structure* ♦ **Nir Shaviv**, The Hebrew University of Jerusalem; Member, School of Natural Sciences

#### September 18

Astrophysics Informal Seminar ♦ *Tidal Disruption of Stars by Supermassive Black Holes: Rates, Rotation, and Relativity* ♦ **Nicholas C. Stone**, Columbia University

#### September 23

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *Gamma Ray Bursts from a Different Angle: The Sequel* ♦ **David Eichler**, Ben-Gurion University of the Negev

#### September 25

Astrophysics Informal Seminar ♦ *Generating and Constraining Primordial Magnetic Fields* ♦ **Takeshi Kobayashi**, Canadian Institute for Theoretical Astrophysics

#### September 29

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *Multiple Soft Limits of Cosmological Correlation Functions* ♦ **Marko Simonović**, Member, School of Natural Sciences ♦ *Double Soft Limits of Cosmological Correlations* ♦ **Mehrdad Mirbabayi**, Member, School of Natural Sciences

#### September 30

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *See the Sound: Transients in the Local Universe* ♦ **Mansi M. Kasliwal**, Carnegie Institution of Washington and California Institute of Technology

#### October 2

Astrophysics Informal Seminar ♦ *Reconstructing the Mass Assembly of Galaxy Disks Over the Last 12 Billion Years with ALMA, HST, and Spitzer* ♦ **Kartik Sheth**, National Radio Astronomy Observatory

#### October 7

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *Andromeda's Dust* ♦ **Bruce Draine**, Princeton University

#### October 9

Astrophysics Informal Seminar ♦ *Formation and Evolution of Star Clusters: A Simple, Unified Picture* ♦ **Michael Fall**, Space Telescope Science Institute, NASA, Baltimore

#### October 13

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *The Illustris Simulation Observatory: Production and Analysis of a Catalog of Mock Images and Spectra* ♦ **Paul Torrey**, Harvard-Smithsonian Center for Astrophysics

#### October 14

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *How to Falsify a Dark Energy Paradigm* ♦ **Dragan Huterer**, University of Michigan

#### October 16

Astrophysics Informal Seminar ♦ *Disk Accretion onto Supermassive Black Hole Binaries* ♦ **Brian Farris**, New York University and Columbia University

#### October 21

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *Explaining the Stellar Magnetic Activity-Rotation Relation: A Context for Some Broadly Applicable Principles* ♦ **Eric Blackman**, University of Rochester; Member, Institute for Advanced Study

#### October 23

Astrophysics Informal Seminar ♦ *The POLARBEAR Experiment: First Season Results on Sub-Degree Scales and Future Plans* ♦ **Zigmund Kermish**, Princeton University

#### October 27

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *Cosmological Simulations of Galaxy Cluster Outskirts* ♦ **Camille Avestruz**, Yale University

#### October 28

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *Intrinsic Galaxy Alignments and the Cosmic Web* ♦ **Rachel Mandelbaum**, Carnegie Mellon University

#### October 30

Astrophysics Informal Seminar ♦ *Shedding Light on Planet-Disk Interactions* ♦ **Dave Tsang**, McGill University

#### November 4

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *Think Globally, Act Locally: Physical Models of Galaxy Formation in a Cosmological Framework* ♦ **Rachel Somerville**, Rutgers, The State University of New Jersey

#### November 6

Astrophysics Informal Seminar ♦ *Sculpting Exoplanet Atmospheres: A Framework for Thermal Escape* ♦ **Ruth Murray-Clay**, Harvard-Smithsonian Center for Astrophysics

#### November 10

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion ♦ *Measuring Dark Energy with CHIME* ♦ **Laura Newburgh**, Dunlap Institute, University of Toronto ♦ *A Radially-Resolved Equilibrium Model for a Baryonic Disk Evolution* ♦ **Ben Rathus**, Tel Aviv University

#### November 11

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium ♦ *Two Milestones in the History of the Universe: Last Scattering Surface and Black Body Photosphere of the Universe; Unavoidable Spectral Distortions of CMB* ♦ **Rashid Sunyaev**, Max-Planck-Institut für Astrophysik; Visiting Professor, School of Natural Sciences

### November 13

Astrophysics Informal Seminar + *Powerful Radiatively Driven Jets in Supercritical Accretion Flows* + **Olek Sadowski**, Massachusetts Institute of Technology

### November 18

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *The Compositions of Small Planets* + **Dave Charbonneau**, Harvard-Smithsonian Center for Astrophysics

### November 20

Astrophysics Informal Seminar + *Using Microhalos to Probe the Origins of Dark Matter* + **Adrienne Erickcek**, The University of North Carolina at Chapel Hill

### November 24

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *General Discussion* + **Matias Zaldarriaga**, Professor, School of Natural Sciences, and **David Spergel**, Princeton University; Visitor, School of Natural Sciences

### November 25

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *Tracking Planet Footprints in Dusty Disks* + **Catherine Espaillat**, Boston University

### December 2

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *Herschel Studies of Extrasolar Kuiper Belt-Like Systems* + **Amaya-Moro Martin**, Space Telescope Science Institute, NASA, Baltimore

### December 4

Astrophysics Informal Seminar + *Gravity and the Search for New Particle Interactions with Cosmology* + **Kris Sigurdson**, The University of British Columbia

### December 8

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Galaxies on FIRE: Stellar Feedback and Galaxy Evolution* + **Dusan Keres**, University of California, San Diego

### December 9

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *Dark Matter Dynamics* + **Tom Abel**, Stanford University

### December 11

Astrophysics Informal Seminar + *On the Dynamics of Helium in the Dilute Intracluster Medium* + **Martin Pessah**, Niels Bohr International Academy, Copenhagen

### December 16

Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium + *Incorporating Post-Newtonian Effects in N-Body Dynamics* + **Clifford Will**, University of Florida

### January 8

Astrophysics Informal Seminar + *How I Learned to Stop Worrying and Love Eclipsing Binaries* + **Maxwell Moe**, Harvard-Smithsonian Center for Astrophysics

### January 15

Astrophysics Informal Seminar + *Disk-Planet Interaction: From 2D to 3D* + **Jeffrey Fung**, University of Toronto

### January 22

Astrophysics Informal Seminar + *Inferring the Population of Exoplanets from Noisy, Incomplete Catalogs* + **Daniel Foreman-Mackey**, New York University

### January 29

Astrophysics Informal Seminar + *Stellar Tides as a Probe of Hot Jupiters' Origin and Fate* + **Francesca Valsecchi**, Center for Interdisciplinary Exploration and Research in Astrophysics, Northwestern University

### February 5

Astrophysics Informal Seminar + *Radiation Magnetohydrodynamic Simulations of Protostellar Collapse: Non-Ideal Magnetohydrodynamic Effects and Early Formation of Circumstellar Disks* + **Kengo Tomida**, Princeton University

### February 12

Astrophysics Informal Seminar + *Astrophysical Models for Cosmochemical Questions* + **James Owen**, Canadian Institute for Theoretical Astrophysics, Member, School of Natural Sciences

### February 19

Astrophysics Informal Seminar + *Chasing Our Cosmic Dawn: Opening the 21cm Cosmological Window on the Universe* + **Daniel Jacobs**, Arizona State University

### February 26

Astrophysics Informal Seminar + *Structure Formation with Fast Particles* + **Neal Dalal**, University of Illinois at Urbana-Champaign; Junior Visiting Professor, School of Natural Sciences

### March 2

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Vesto Slipher and the Discovery of the Expanding Universe* + **John Peacock**, The Royal Observatory, Edinburgh

### March 5

Astrophysics Informal Seminar + *Galaxy Intrinsic Alignments and Precision Cosmology* + **Jonathan A. Blazek**, The Ohio State University

### March 12

Astrophysics Informal Seminar + *B-Mode Cosmology* + **Marko Simonović**, Member, The School of Natural Sciences

### March 16

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Probing Dark Matter Substructure with Dusty Galaxies* + **Neal Dalal**, University of Illinois at Urbana-Champaign; Junior Visiting Professor, School of Natural Sciences

### March 19

Astrophysics Informal Seminar + *The Physics and Cosmology of TeV Blazars* + **Philip Chang**, University of Wisconsin-Milwaukee

### March 26

Astrophysics Informal Seminar + *The Atacama Cosmology Telescope: Recent Results and Future Prospects* + **Matthew Hasselfield**, Princeton University

### March 30

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Measuring Lensing of the CMB by Galaxy Clusters with the South Pole Telescope* + **Eric Baxter**, University of Pennsylvania

### April 2

Astrophysics Informal Seminar + *Early Stages of Planet Formation—Bridging Theory and Observations* + **Til Birnstiel**, Harvard-Smithsonian Center for Astrophysics

### April 8

Astrophysics Informal Seminar + *Mechanism of Magnetar Activity* + **Andrei Beloborodov**, Columbia University

### April 13

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *CMB Hemispherical Asymmetry* + **Mohammad Hossein Namjoo**, The University of Texas at Dallas

### April 16

Astrophysics Informal Seminar + *IceCube and the Future of HE Neutrino Astronomy* + **Eli Waxman**, Weizmann Institute of Science; Visitor, School of Natural Sciences

### April 27

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Exploring Eternal Stability with the Simple Harmonic Universe* + **Bart Horn**, Columbia University

### April 28

Astrophysics Informal Seminar + *A Search for Dark Matter Annihilation in the Newly Discovered Dwarf Galaxy Reticulum 2* + **Alex Geringer-Sameth**, Carnegie Mellon University

April 30

Astrophysics Informal Seminar + *Feedback Regulated Turbulence, Magnetic Fields, and Star Formation Rates in Galactic Disks* + **Chang-Goo Kim**, Princeton University

May 7

Astrophysics Informal Seminar + *Circular Polarization of Redshifted 21-cm Radiation: Another Futuristic Idea for Detecting Primordial Gravitational Waves* + **Christopher Hirata**, The Ohio State University

May 8

Special Astrophysics Seminar + *21cm Cosmology* + **Max Tegmark**, Massachusetts Institute of Technology

May 12

Princeton University/Institute for Advanced Study Early Universe/Cosmology Lunch Discussion + *Boosted Dark Matter Enhanced with Self-Interactions* + **Gopolang Mohlabeng**, The University of Kansas + *The Splashback Radius as a Physical Boundary for Dark Matter Halos* + **Surhud More**, Kavli Institute for the Physics and Mathematics of the Universe, The University of Tokyo

May 14

Astrophysics Informal Seminar + *MASSIVE Galaxies and Small Supermassive Black Holes* + **Jenny Greene**, Princeton University

May 20

Astrophysics Informal Seminar + *What We Can Learn from Planets in Binary Systems* + **Kaitlin Kratter**, The University of Arizona and Steward Observatory

## HIGH ENERGY THEORY ACTIVITIES

September 15

High Energy Theory Seminar + *Toward Numerical Experiments of Quantum Gravity via Gauge/Gravity Duality* + **Masanori Hanada**, Kyoto University

September 17

Physics Group Meeting + *Coleman-Weinberg Higgs* + **Hyung Do Kim**, Seoul National University; Member, School of Natural Sciences

September 26

High Energy Theory Seminar + *Quantum Extremal Surfaces* + **Aron Wall**, University of California, Santa Barbara; Member, School of Natural Sciences

September 29

High Energy Theory Seminar + *Short-Range Entangled Phases and Topology* + **Anton Kapustin**, Simons Center for Geometry and Physics, Stony Brook University, The State University of New York

October 1

Physics Group Meeting + *From Spins to Matrices* + **Dionysios Anninos**, Stanford University; Member, School of Natural Sciences

October 3

High Energy Theory Seminar + *An Explanation of the WW Excess at the LHC by Jet-Veto (and  $\pi^2$ ) Resummation* + **Takemichi Okui**, Florida State University

October 13

High Energy Theory Seminar + *Infinity-Algebras, SUSY Interfaces, and Categorized Wall-Crossing in the IR Limit of Massive  $d=2$   $N=(2,2)$  QFT* + **Greg Moore**, Rutgers, The State University of New Jersey

October 15

Physics Group Meeting + *Soft Collinear Effective Theory for Heavy WIMP Annihilation* + **Timothy Cohen**, SLAC National Accelerator Laboratory; Visitor, School of Natural Sciences

October 17

High Energy Theory Seminar + *Generalized Global Symmetries* + **Nathan Seiberg**, Professor, School of Natural Sciences

October 22

Physics Group Meeting + *The Anderson Transition and Supergroup Sigma Models* + **Thomas Spencer**, Professor, School of Mathematics

October 27

High Energy Theory Seminar + *Semiclassical Virasoro Symmetry of the Quantum Gravity S-Matrix* + **Andrew Strominger**, Harvard University

October 29

Physics Group Meeting + *Exact Solutions of 2d Supersymmetric Gauge Theories* + **Abhijit Gadde**, California Institute of Technology; Member, School of Natural Sciences

October 31

High Energy Theory Seminar + *SU(8) Family Unification with Boson-Fermion Balance* + **Stephen L. Adler**, Professor Emeritus, School of Natural Sciences

November 4

Informal High Energy Theory Seminar + *TBA for Minimal Surfaces in AdS from the Continuum Limit of Null Polygons* + **Jonathan Toledo**, Perimeter Institute for Theoretical Physics

November 12

Physics Group Meeting + *Four Computations of Chaotic Commutators* + **Douglas Stanford**, Stanford University; Member, School of Natural Sciences

November 14

High Energy Theory Seminar + *Fun with Black Holes: Asymmetric Hawking Radiation and Black Hole Catalyzed Vacuum Decay* + **Anson Hook**, Member, School of Natural Sciences

November 20

Informal High Energy Theory Seminar + *Hidden Hyperbolic Kac-Moody Structures in Supergravity and a Possible Quantum Avoidance of Cosmological Singularities* + **Thibault Damour**, Institut des Hautes Études Scientifiques, Bures-sur-Yvette, France

November 24

High Energy Theory Seminar + *Quantum Supergravity and Exact Holography* + **Joao Gomes**, University of Cambridge

November 26

Physics Group Meeting + *Boundary Conditions and Symplectic Duality in 3d  $N=4$  Theories* + **Tudor Dan Dimofte**, Long-Term Member, School of Natural Sciences

December 3

Informal High Energy Theory Seminar + *Future Circular Colliders* + **Yifang Wang**, Institute of High Energy Physics, Chinese Academy of Sciences, Beijing

December 5

High Energy Theory Seminar + *The Coulomb Branch of 3d  $N=4$  Theories and Finite W-Algebras* + **Mathew Bullimore**, Perimeter Institute of Theoretical Physics; Member, School of Natural Sciences

December 8

High Energy Theory Seminar + *Completing Higher Spin de Sitter Holography* + **Frederik Denef**, Columbia University

January 15

Informal High Energy Theory Seminar + *Scattering Equations and Matrices: Exploring the World of Massless Theories* + **Song He**, Perimeter Institute for Theoretical Physics

January 26

High Energy Theory Seminar + *The Time Reversal Invariant Fractional Josephson Effect* + **Charles Kane**, University of Pennsylvania

February 3

High Energy Theory Seminar + *Holographically Inspired Thoughts on High Temperature Superconductors and Other Bad Metals* + **Sean Hartnoll**, Stanford University

February 4

Physics Group Meeting + *Spectral Problems from Topological Strings* + **Johan Carl Gunnar Källén**, Université de Genève; Member, School of Natural Sciences

February 6

High Energy Theory Seminar + *The Three-Loop Cust Anomalous Dimension in QCD* + **Johannes Henn**, Member, School of Natural Sciences



### February 19

Special Physics Seminar + *Bordism, QFT, and a Topological Invariant of Certain Lattice Systems* + **Daniel Freed**, The University of Texas at Austin; Member, Schools of Mathematics and Natural Sciences

### February 20

High Energy Theory Seminar + *Spontaneous CP Violation and  $\theta_{QCD}$*  + **Michael Dine**, University of California, Santa Cruz; Visiting Professor, School of Natural Sciences

### February 23

High Energy Theory Seminar + *Exact Holographic Mapping, Tensor Networks, and Space-Time Geometry* + **Xiaoliang Qi**, Stanford University

### February 25

Physics Group Meeting + *BIG J* + **Simeon Hellerman**, Kavli Institute for the Physics and Mathematics of the Universe, The University of Tokyo

### March 2

High Energy Theory Seminar + *The  $N=2$  Superconformal Bootstrap and Chiral Algebras* + **Leonardo Rastelli**, Stony Brook University, The State University of New York

### March 6

High Energy Theory Seminar + *Cosmological Polytopes* + **Nima Arkani-Hamed**, Professor, School of Natural Sciences

### March 11

Physics Group Meeting + *Confronting the Strong CP Problem at the LHC* + **Anson Hook**, Member, School of Natural Sciences

### March 24

Informal High Energy Theory Seminar + *Some Comments on the Necessity and Implications of State Dependence for the Black Hole Interior* + **Suvrat Raju**, International Centre for Theoretical Sciences, Bangalore

### March 25

Physics Group Meeting + *Something Cloudy, Something Clear: Yet Another Look at Canonical Quantization of Pure Gravity on  $AdS_3$*  + **Massimo Porrati**, New York University; Member, School of Natural Sciences

### March 30

High Energy Theory Seminar + *Non-Thermal Dark Matter—A Generic Prediction of String/M Theory* + **Bobby Acharya**, The Abdus Salam International Centre for Theoretical Physics, Trieste; King's College London

### April 1

Physics Group Meeting + *Higgs Production at  $N^3LO$*  + **Bernhard Mistlberger**, Eidgenössische Technische Hochschule Zürich

### April 3

High Energy Theory Seminar + *The Einstein-Rosen Bridge on the String* + **David Vegh**, Stanford University; Member, School of Natural Sciences

### April 8

Physics Group Meeting + *New Views of Positive Geometry for Amplitudes and Correlators* + **Nima Arkani-Hamed**, Professor, School of Natural Sciences

### April 13

High Energy Theory Seminar + *Mirror Symmetry and Loop Operators* + **Jaume Gomis**, Perimeter Institute for Theoretical Physics

### April 15

Physics Group Meeting + *Bulk Locality and Quantum Error Correction in  $AdS/CFT$*  + **Daniel Harlow**, Princeton University

### April 16

Special High Energy Theory Seminar + *Precursor Puzzles* + **Joseph Polchinski**, Kavli Institute for Theoretical Physics, University of California, Santa Barbara

### April 17

High Energy Theory Seminar + *Network Operators and Quantum Moduli Space of Flat Connections* + **Maxime Gabella**, Member, School of Natural Sciences

### April 22

Physics Group Meeting + *Holographic Rho Meson Condensation* + **Nele Callebaut**, Princeton University

### April 27

High Energy Theory Seminar + *Goldstone Gauginos* + **Neal Weiner**, New York University

### April 29

Physics Group Meeting + *New Approaches to Scattering Amplitudes: From On-Shell Diagrams to the Amplituhedron* + **Sebastian Franco**, The City College of New York

### May 1

High Energy Theory Seminar + *Recursion Relation for Conformal Blocks* + **Masahito Yamazaki**, Kavli Institute for the Physics and Mathematics of the Universe, The University of Tokyo; Member, School of Natural Sciences

### May 7

Informal High Energy Theory Seminar + *Ab Initio Calculation of the Neutron-Proton Mass Difference* + **Zoltan Fodor**, Eötvös Loránd University

### May 11

High Energy Theory Seminar + *Aspects of 6D SCFTs and their Toroidal Compactifications* + **Michele Del Zotto**, Harvard University

### May 13

Physics Group Meeting + *Cosmological Collider Physics* + **Juan Maldacena**, Professor, School of Natural Sciences

### May 18

Joint Astrophysics/High Energy Theory Seminar + *Double Disk Dark Matter* + **Lisa Randall**, Harvard University

### May 20

Physics Group Meeting + *Reciprocity Laws* + **Richard Taylor**, Robert and Luisa Fernholz Professor, School of Mathematics

### May 27

Physics Group Meeting + *Tunneling in Theories with Many Fields* + **Sonia Paban**, The University of Texas at Austin; Member, School of Natural Sciences

### June 1

High Energy Theory Seminar + *Geometric Phase, String Braiding Statistics, and Spacetime Surgery* + **Juven Wang**, Massachusetts Institute of Technology

### July 20–31

Prospects in Theoretical Physics: New Insights Into Quantum Matter

Organizers and Lecturers: **Waseem Bakr**, Princeton University; **Bogdan Bernevig**, Princeton University; **Robbert Dijkgraaf**, Director and Leon Levy Professor, Institute for Advanced Study; **Duncan Haldane**, Princeton University; **Zahid Hasan**, Princeton University; **Charles Kane**, University of Pennsylvania; **Vidya Madhavan**, University of Illinois at Urbana-Champaign; **Greg Moore**, Rutgers, The State University of New Jersey; **Chiara Nappi**, Princeton University; **Nai Phuan Ong**, Princeton University; **Nicholas Read**, Yale University; **Nathan Seiberg**, Professor, School of Natural Sciences; **Shivaji Sondhi**, Princeton University; **Xiao-Gang Wen**, Massachusetts Institute of Technology; and **Edward Witten**, Charles Simonyi Professor, School of Natural Sciences

## SIMONS CENTER FOR SYSTEMS BIOLOGY ACTIVITIES

### September 25

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/Quantitative Aspects of Biology + *Problems in Checking Systems* + **Bernard Chazelle**, Princeton University; Member, School of Natural Sciences

### October 2

The Simons Center for Systems Biology Informal Talks on Abstract/Conceptual/Quantitative Aspects of Biology + *Effective Theories for Systems with the Gap* + **Dmitry Krotov**, Member, School of Natural Sciences

## October 6

The Simons Center for Systems Biology  
Informal Talks on Abstract/Conceptual/  
Quantitative Aspects of Biology + *Emergence of Self-Replication in Evolving Computer Programs* +  
**Andrew Pargellis**

## October 14

The Simons Center for Systems Biology  
Seminar + *Stem Cells and the Development of the Cells of the Blood System* + **Arnold J. Levine**,  
Professor Emeritus, School of Natural Sciences

## October 23

The Simons Center for Systems Biology  
Seminar + *The Inmate and Adaptive Immune System* + **Arnold J. Levine**, Professor  
Emeritus, School of Natural Sciences

## October 30

The Simons Center for Systems Biology  
Informal Talks on Abstract/Conceptual/  
Quantitative Aspects of Biology + *Small RNAs and Transgenerational Epigenetic Inheritance* +  
**Eric A. Miska**, Gurdon Institute, University  
of Cambridge

## October 31

The Simons Center for Systems Biology  
Seminar + *Outer Membrane Biogenesis in Gram-Negative Bacteria* + **Thomas J. Silhavy**,  
Princeton University

## November 6

The Simons Center for Systems Biology  
Informal Talks on Abstract/Conceptual/  
Quantitative Aspects of Biology + *Mechanical Signaling in Heart Muscle* + **Andrea Liu**,  
University of Pennsylvania

## November 7

The Simons Center for Systems Biology  
Seminar + *Inferring Fitness in Influenza* +  
**Marta Luksza**, Research Associate, School  
of Natural Sciences

## November 25

The Simons Center for Systems Biology  
Seminar + *Elasticity in Physics and Biology* +  
**Carl Goodrich**, University of Pennsylvania

## December 1

Topological Data Analysis/Persistent Homology  
Meeting + *Mapping Human Recombination with Persistent Homology* + **Pablo G. Camara**,  
Columbia University + *Coalescent Inference Using the Persistence Diagram* + **Kevin Emmett**,  
Columbia University + *Measuring Intra-Host HIV Evolution Using Computational Topology* +  
**Daniel Rosenbloom**, Columbia University +  
*Understanding Pluripotent Stem Cell Differentiation: Extracting Biologically Relevant Developmental Progression from High-Dimensional Single Cell Data* + **Ryan L. McCarthy**, The University  
of Texas MD Anderson Cancer Center

## December 1

Bacteria Meeting + *Bacterial Sporulation and Germination* + **Jonathan Dworkin**, Columbia  
University + *Global Evolution Pressures on DNA* +  
**Edo Kussell**, Columbia University

## December 2

The Simons Center for Systems Biology  
Informal Talks on Abstract/Conceptual/  
Quantitative Aspects of Biology + *Bacteria Community Assembly* + **Otto Cordero**,  
Eidgenössische Technische Hochschule Zürich

The Simons Center for Systems Biology  
Informal Talks on Abstract/Conceptual/  
Quantitative Aspects of Biology + *Cell Identities from Stem Cells* + **Alex H. Lang**, Boston  
University

## December 3

The Simons Center for Systems Biology  
Informal Talks on Abstract/Conceptual/  
Quantitative Aspects of Biology + *Cell Growth Rate Laws* + **Terence Hwa**, University of  
California, San Diego

The Simons Center for Systems Biology  
Informal Talks on Abstract/Conceptual/  
Quantitative Aspects of Biology + *Microbial Ecology* + **Forest Rohwer**, San Diego State  
University

## December 4

Mutant p53 Reactivator Meeting + *Review of the Biology* + **Darren Carpizo**, Rutgers Cancer  
Institute of New Jersey + *Physical Chemical Studies* + **Stewart Loh** and **Adam Blanden**,  
Upstate Medical University, The State  
University of New York + *Chemical Synthesis* +  
**David Kimball**, **David Augeri**, and **John Gilleran**, Rutgers University

## December 10

Joint Lab Meeting + *Functional MRI Talk* +  
**Jon Cohen**, **Ken Norman**, and **Nick Turk-Brown**, Princeton University + *An Overview of Topological Data Analysis* + **Pablo G. Camara**,  
Columbia University

## December 12

The Simons Center for Systems Biology  
Informal Talks on Abstract/Conceptual/  
Quantitative Aspects of Biology + *Units of Co-Regulation in Bacterial Genomes* + **Olivier Rivoire**, CNRS and Université Joseph Fourier

## February 10

The Simons Center for Systems Biology  
Seminar + *Viral Integration and Cellular Gene Expression in Human Cancer* + **James M. Pipas**, University of Pittsburgh

## February 13–18

Convergence Ideas Lab + *Cancer Immunotherapy: The End of the Beginning* + **Jedd D. Wolchok**,  
Memorial Sloan Kettering Cancer Center +  
*Stroma, Spatial Patterns, and Immune Signaling in Cancer* + **Peter P. Lee**, City of Hope  
Comprehensive Cancer Center + *Precision*

## Medicine from Mitochondria

+ **Anthony G. Letai**, Dana-Farber Cancer Institute/Harvard  
Medical School + *Satellite ncRNAs in Cancer* +  
**David T. Ting**, Massachusetts General  
Hospital/Harvard Medical School + *Learning to Read Immunological Memory* + **Harlan Robins**,  
Fred Hutchinson Cancer Research Center +  
*Role of RNA Viruses & ncRNA in Inflammatory Responses* + **Benjamin D. Greenbaum**, Icahn  
School of Medicine at Mount Sinai + *Cancer Precision Medicine Initiative* + **José T. Baselga**,  
Memorial Sloan Kettering Cancer Center +  
*How Does Resistance Emerge?* + **Jeffrey A. Engelman**, Massachusetts General Hospital +  
*Questions from the “Leukemia Wars”* + **Ross L. Levine**, Memorial Sloan Kettering Cancer  
Center + *Pancreas Cancer Clinical Trials: Metabolism, Genomics, and Tumor-Stroma Interactions* + **Jeffrey A. Drebin**, Perelman  
School of Medicine at the University of  
Pennsylvania + *Principles of Resistance to Cancer Therapy* + **Levi A. Garraway**, Dana-Farber  
Cancer Institute + *Heterogeneity and Anticipation in LFS* + **Chang S. Chan**, Rutgers Cancer  
Institute of New Jersey + *On the Complexity of Cellular Heterogeneity* + **Steven J. Altschuler**,  
University of California, San Francisco +  
*Chemically Directing the Immune System* +  
**Darrell J. Irvine**, Massachusetts Institute of  
Technology + *Computational Modeling of Cancer-Related Signaling Pathways* + **Reka Z. Albert**,  
The Pennsylvania State University + *Epithelial Plasticity—A Hallmark of Metastasis* + **Herbert Levine**, Rice University + *Forestral Problems and Tumor Evolution* + **Raul Rabadan**, Columbia  
University + *Synthetic Biology: Engineering Viruses, Cells, and Networks* + **Timothy K. Lu**,  
Massachusetts Institute of Technology + *Why Do Tumors Occur Where They Do?* + **Clare C. Yu**,  
University of California, Irvine + *Using Sequence Data to Infer the Mechanisms of T-Cell Diversity Generation* + **Curtis G. Callan**, Princeton  
University + *Evolution of Cancer and Drug Resistance: Possible Lessons from Microbial Evolution and Evolutionary Dynamics of Large Populations* +  
**Daniel S. Fisher**, Stanford University +  
*Computational Analyses of the Multiscale Evolution of Cancer* + **Gurinder S. Atwal**, Cold Spring  
Harbor Laboratory

## February 19

The Simons Center for Systems Biology  
Informal Talks on Abstract/Conceptual/  
Quantitative Aspects of Biology +  
*Thermodynamics with Information* + **Jordan Horowitz**, University of Massachusetts, Boston

## February 27

The Simons Center for Systems Biology  
Seminar + *Transgenerational Immune Memory via Virus-to-Host Lateral Gene Transfer: A Eukaryotic CRISPR/Cas?* + **Nicholas Parrish**, Institute  
for Virus Research, Kyoto University and  
University of Pennsylvania

## March 18

The Simons Center for Systems Biology  
Informal Talks on Abstract/Conceptual/  
Quantitative Aspects of Biology + *Genetic and*

*Phenotypic Variations in C. elegans* + **Marie-Anne Felix**, Institut de Biologie de l'École Normale Supérieure

**April 8**

The Simons Center for Systems Biology Seminar + *Light to Life* + **Paul Falkowski**, Rutgers University

**April 10**

The Simons Center for Systems Biology Seminar + *Discovery of Precision Medicines for Glioblastoma* + **Brent Stockwell**, Columbia University

**April 23**

Governor's Conference on Effective Partnering in Cancer Research + *Immune Checkpoint Blockade in Cancer Therapy: New Insights and Opportunities* + **James P. Allison**, The University of Texas MD Anderson Cancer Center + *Combination Checkpoint Blockade and the Role of "Passenger" Mutations in Clinical Response to Ipilimumab* + **Jedd D. Wolchok**, Memorial Sloan Kettering Cancer Center + *Predicting Response to Immunotherapy with Immunosequencing* + **Harlan Robins**, Fred Hutchinson Cancer Research Center + *CAR Therapy and the Promise of T-Cell Engineering* + **Michel Sadelain**, Memorial Sloan Kettering Cancer Center + *Modulation of Immunity by Dendritic Cells* + **Nina Bhardwaj**, Icahn School of Medicine at Mount Sinai + *A Platform for the Discovery and Validation of Immune Gene-Related Tumor Signatures for Potential Applications in Immunotherapy* + **James J. Mulé**, Moffitt Cancer Center

**May 18**

Joint Lab Meeting + *Informatics Analysis of p53 Missense Mutations and Their Transcriptional Profiles in Cancer Cells* + **Kausik Regunath** and **Vitalay Fomin**, Columbia University

**June 1**

The Simons Center for Systems Biology Seminar + *The Use of Recombinant Inbred Mouse Lines to Identify Interesting Gene Functions* + **Evan G. Williams**, École Polytechnique Fédérale de Lausanne

## School of Social Science

**September 15**

School Welcome Party

**September 19**

Writing, Inquiry, and Theory Reading Group + Organizational Meeting

**September 29**

Social Science Lunch Seminar + *The Discreet Charm of Ethnography* + **Didier Fassin**, James D. Wolfensohn Professor, School of Social Science

**October 1**

Egalitarianisms Seminar + Organizational Meeting

Workshop on Ideas, Institutions, and Political Economy + *The Evolution of Culture and Institutions: Evidence from the Kuba Kingdom* + **Nathan Nunn**, Harvard University

**October 6**

Social Science Lunch Seminar + *The Case for Lottocracy* + **Alexander A. Guerrero**, University of Pennsylvania; Member, School of Social Science

**October 8**

Workshop on Ideas, Institutions, and Political Economy + *Political Language in Economics* + **Suresh Naidu**, Columbia University

**October 10**

Writing, Inquiry, and Theory Reading Group + Discussion of readings by **Hugh Gusterson**, The George Washington University; Member, School of Social Science, and **Brian Connolly**, University of South Florida; Visitor, School of Social Science

**October 13**

Social Science Lunch Seminar + *Rethinking Urban Schools* + **Charles M. Payne**, The University of Chicago; Member, School of Social Science

**October 15**

Egalitarianisms Seminar + Discussion of Pierre Rosanvallon's *Society of Equals*

Workshop on Ideas, Institutions, and Political Economy + *Geography, Uncertainty, and Polarization* + **Nolan McCarty**, Princeton University; Member, School of Social Science

**October 20**

Social Science Lunch Seminar + *The Specter of Race in Comparative Politics* + **Michael G. Hanchard**, Johns Hopkins University; Member, School of Social Science

**October 22**

Workshop on Ideas, Institutions, and Political Economy + *Democratic Knowledge vs. Social Capital: A Manifesto* + **Danielle Allen**, UPS Foundation Professor, School of Social Science

**October 27**

Social Science Lunch Seminar + *Gender Crime and Political Voice* + **Anandi Mani**, University of Warwick; Member, School of Social Science

**October 29**

Egalitarianisms Seminar + Discussion of readings by **Elizabeth S. Anderson**, **Karl Polanyi**, **Nancy Krieger**, and **John Holmwood**, The University of Nottingham; Member, School of Social Science

Workshop on Ideas, Institutions, and Political Economy + *Bowling for Fascism: Social Capital and the Rise of the Nazi Party* + **Shanker Satyanath**, New York University

**November 3**

Social Science Lunch Seminar + *The Polarization of American Politics* + **Nolan McCarty**, Princeton University; Member, School of Social Science

**November 5**

Workshop on Ideas, Institutions, and Political Economy + *A Culture of Growth: Origins of the Modern Economy* + **Joel Mokyr**, Northwestern University

**November 7**

Writing, Inquiry, and Theory Reading Group + Discussion of readings by **Maurizio Meloni**, Sheffield University, and **Richard Ashby Wilson**, University of Connecticut; Members, School of Social Science

**November 10**

Social Science Lunch Seminar + *Methodologies and Middle Passages* + **Jennifer L. Morgan**, New York University; Member, School of Social Science

**November 12**

Egalitarianisms Seminar + *Sociology's Promise* + **John Holmwood**, The University of Nottingham; Member, School of Social Science

Workshop on Ideas, Institutions, and Political Economy + *Civil Society, Democratic Knowledge, and Democratic Leadership* + **Nannerl O. Keohane**, Princeton University; Visitor, School of Social Science

**November 14**

Law and History Reading Group + Organizational Meeting

**November 17**

Social Science Lunch Seminar + *Searching for the Truth About Lies* + **Hugh Gusterson**, The George Washington University; Member, School of Social Science

Egalitarianisms Seminar + *The Land of Too Much* + **Monica Prasad**, Northwestern University

**November 19**

Workshop on Ideas, Institutions, and Political Economy + *Bridging the Divide: Kagame and Nation Building in Rwanda* + **Sharun W. Mukand**, University of Warwick; Member, School of Social Science

**November 24**

Social Science Lunch Seminar + *Reading Piketty "Locally": The United States and the Dis-United Kingdom* + **John Holmwood**, The University of Nottingham; Member, School of Social Science



### November 26

Egalitarianisms Seminar ♦ *Arendt's Lament: The Death of Shame and the Rise of Political Children* ♦ **Jill Locke**, Gustavus Adolphus College; Member, School of Social Science

### December 1

Social Science Lunch Seminar ♦ *Revenge and Moral Disgust: The Law and Psychology of International Speech Crimes* ♦ **Richard Ashby Wilson**, University of Connecticut; Member, School of Social Science

### December 3

Egalitarianisms Seminar ♦ *Freedom's Right: The Social Foundations of Democratic Life* ♦ **Axel Honneth**, Goethe-Universität Frankfurt and Columbia University

Workshop on Ideas, Institutions, and Political Economy ♦ *Taxing the Rich: Fairness and Fiscal Sacrifice over Two Centuries* ♦ **Kenneth Scheve**, Stanford University

### December 5

Law and History Reading Group ♦ Discussion of paper by **Teemu Ruskola**, Emory University; Member, School of Historical Studies

### December 8

Social Science Lunch Seminar ♦ *Religious Pluralism and Islamic Law: After Tolerance* ♦ **Anver M. Emon**, University of Toronto; Member, School of Social Science

### December 10

Egalitarianisms Seminar ♦ *Political Biology: Where the Natural and the Social Order Overlap* ♦ **Maurizio Meloni**, Sheffield University; Member, School of Social Science

Workshop on Ideas, Institutions, and Political Economy ♦ *A New Approach to Law and Economics* ♦ **Kaushik Basu**, The World Bank and Cornell University

### December 12

Writing, Inquiry, and Theory Reading Group ♦ Discussion of readings by **Manduhai Buyandelger**, Massachusetts Institute of Technology, and **Serguei A. Oushakine**, Princeton University; Members, School of Social Science

### December 15

Social Science Lunch Seminar ♦ *Genetics, Inequality, and Democracy: From Eugenics to Epigenetics* ♦ **Maurizio Meloni**, Sheffield University; Member, School of Social Science

Film screening and discussion of *Camp de Thiaroye* (Senegal, 1998), moderated by **Michael G. Hanchard**, Johns Hopkins University; Member, School of Social Science

### December 16

Egalitarianisms Seminar ♦ *Discussion on Ferguson, MO* ♦ **Jill Locke**, Gustavus Adolphus College; Member, School of Social Science

### January 14

Egalitarianisms Seminar ♦ *The Arts of Together: Social Coordination as Dyadic Achievement* ♦ **Gary Alan Fine**, Northwestern University; Member, School of Social Science

### January 16

Law and History Reading Group ♦ Discussion of paper by **Brady Brower**, Weber State University; Member, School of Social Science

### January 23

Law and History Reading Group ♦ Discussion of paper by **Anver M. Emon**, University of Toronto; Member, School of Social Science

### January 28

Workshop on Ideas, Institutions, and Political Economy ♦ *Creating Democratic Knowledge Online?* ♦ **John Holmwood**, The University of Nottingham; Member, School of Social Science

### January 29

Egalitarianisms Seminar ♦ *Windsor's Mad Genius: The Interlocking Gears of Rights and Structure* ♦ **Heather Gerken**, Yale University

### February 2

Social Science Lunch Seminar ♦ *From Corporate Order to Organic Solidarity: Biology and Social Thought in France* ♦ **Brady Brower**, Weber State University; Member, School of Social Science

### February 3

Roundtable Discussion ♦ *France, Post—"Charlie Hebdo" Incident* ♦ **Didier Fassin**, James D. Wolfensohn Professor, School of Social Science

### February 4

Egalitarianisms Seminar ♦ *"The Psychological Marshall Plan": Displacement, Gender, and Human Rights after World War II* ♦ **Tara Zahra**, The University of Chicago

Workshop on Ideas, Institutions, and Political Economy ♦ *The Political Psychology of Constitution-Making* ♦ **Jon Elster**, Columbia University

### February 9

Social Science Lunch Seminar ♦ *Cascading Failures and Gambling Tasks* ♦ **Adam Elga**, Princeton University; Member, School of Social Science

### February 11

Egalitarianisms Seminar ♦ *Democracy, Equality, and the Problem of Political Minorities* ♦ **Alexander A. Guerrero**, University of Pennsylvania; Member, School of Social Science

Workshop on Ideas, Institutions, and Political Economy ♦ *How Business Community Institutions Can Help Fight Corruption* ♦ **Avinash Dixit**, Princeton University

### February 13

Law and History Reading Group ♦ Discussion of paper by **Joan Wallach Scott**, Professor Emerita, School of Social Science

### February 18

SSRC Albert O. Hirschman Prize Ceremony and Lectures

### February 23

Social Science Lunch Seminar ♦ *Political Equality and a Post-Metaphysical General Will* ♦ **Paul Gowder**, University of Iowa; Member, School of Social Science

### February 24

Roundtable Discussion ♦ *Ferguson and Staten Island Incidents* ♦ **Didier Fassin**, James D. Wolfensohn Professor, School of Social Science

### February 25

Workshop on Ideas, Institutions, and Political Economy ♦ *Up from Poverty? The 1832 Cherokee Land Lottery and the Long-Run Distribution of Wealth* ♦ **Hoyt Bleakley**, University of Michigan

### February 27

Writing, Inquiry, and Theory Reading Group ♦ Discussion of readings by **Brady Brower**, Weber State University, and **Juililly Kohler-Hausmann**, Cornell University; Members, School of Social Science

### March 2

Social Science Lunch Seminar ♦ *Welfare Crises and the Origins of Mass Incarceration in 1970s America* ♦ **Juililly Kohler-Hausmann**, Cornell University; Member, School of Social Science

### March 4

Workshop on Ideas, Institutions, and Political Economy ♦ *Political Order and Inequality* ♦ **Carles Boix**, Princeton University

### March 6

Egalitarianisms Seminar ♦ *Social Movements, Experiments in Living, and Moral Progress: Case Studies from Britain's Abolition of Slavery* ♦ **Elizabeth Anderson**, University of Michigan

### March 9

Social Science Lunch Seminar ♦ *The Urban Memory Machine: Municipal Politics and the Creation of "Historic" Philadelphia* ♦ **Gary Alan Fine**, Northwestern University; Member, School of Social Science

### March 11

Egalitarianisms Seminar ♦ *The Position of the Citizen* ♦ **Peter Alexander Meyers**, Université Paris III; Visitor, School of Social Science

Workshop on Ideas, Institutions, and Political Economy ♦ *Rent-Seeking Elites, Integration, and the Coevolution of Political Institutions* ♦ **Arthur Silve**, Sciences Po and École d'Économie de Paris

#### March 16

Social Science Lunch Seminar ♦ *Making Choices: Reflections on a Historical Problem* ♦ **Sophia Rosenfeld**, University of Virginia; Member, School of Social Science

#### March 18

Egalitarianisms Seminar ♦ *The Specter of Race in American Politics* ♦ **Michael G. Hanchard**, Johns Hopkins University; Member, School of Social Science

#### March 23

Social Science Lunch Seminar ♦ *Technologies of Elections and Appearance of Democracy* ♦ **Manduhai Buyandelger**, Massachusetts Institute of Technology; Member, School of Social Science

Workshop on Ideas, Institutions, and Political Economy ♦ *The Power of Ranking? The Ease of Doing Business as Soft Power* ♦ **Beth Simmons**, Harvard University

#### April 2

Writing, Inquiry, and Theory Reading Group ♦ Discussion of readings by **Jennifer L. Morgan**, New York University; Member, School of Social Science, and **Didier Fassin**, James D. Wolfensohn Professor, School of Social Science

#### April 6

Social Science Lunch Seminar ♦ *The Decline of Democracy in Turkey: Popular Support, Institutional Decay* ♦ **Yeşim Arat**, Boğaziçi University

#### April 8

Egalitarianisms Seminar ♦ *The Lost Tradition of Economic Equality in America, 1600–1880* ♦ **Daniel R. Mandell**, Truman State University

Workshop on Ideas, Institutions, and Political Economy ♦ *Mixing Methods: A Bayesian Approach* ♦ **Macartan Humphreys**, Columbia University

#### April 13

Social Science Lunch Seminar ♦ *Great Expectations: The Ambiguity of Social Whitening in Colombia* ♦ **Mara Viveros Vigoya**, Universidad Nacional de Colombia; Member, School of Social Science

#### April 14

Egalitarianisms Seminar ♦ *Global Sociology via the Haitian Revolution* ♦ **Gurminder K. Bhambra**, University of Warwick; Visitor, School of Social Science

#### April 15

Workshop on Ideas, Institutions, and Political Economy ♦ *How Political Economies Change: The Evolution of Growth Regimes in the Developed Democracies* ♦ **Peter Hall**, Harvard University

#### April 20

Social Science Lunch Seminar ♦ *What's Wrong with "Revoluting Children"?* ♦ **Jill Locke**, Gustavus Adolphus College; Member, School of Social Science

Book Talk ♦ *The Paradox of Liberation: Secular Revolution and Religious Counterrevolution* ♦ **Michael Walzer**, Professor Emeritus, School of Social Science

#### April 21

Egalitarianisms Seminar ♦ *Global Redistribution* ♦ **E. Glen Weyl**, Microsoft Research New England

#### April 22

Workshop on Ideas, Institutions, and Political Economy ♦ *Quadratic Voting* ♦ **E. Glen Weyl**, Microsoft Research New England

#### April 27

Social Science Lunch Seminar ♦ *Diffusion of Ideas and Innovations* ♦ **Kalyan Chatterjee**, The Pennsylvania State University; Member, School of Social Science

#### April 29

Egalitarianisms Seminar ♦ *Intersectionality through the Prism of Latin-American Feminism* ♦ **Mara Viveros Vigoya**, Universidad Nacional de Colombia; Member, School of Social Science

#### April 30

Writing, Inquiry, and Theory Reading Group ♦ Discussion of readings by **Gary Alan Fine**, Northwestern University, and **Mara Viveros Vigoya**, Universidad Nacional de Colombia; Members, School of Social Science

#### May 4

Social Science Lunch Seminar ♦ *A Bridge Too Far?: Nation Building in Post-Genocide Rwanda* ♦ **Sharun W. Mukand**, University of Warwick; Member, School of Social Science

#### May 6

Egalitarianisms Seminar ♦ *The Logics of Coordination and Commitment* ♦ **Paul Gowder**, The University of Iowa; Member, School of Social Science

#### May 12

Egalitarianisms Seminar ♦ *Voting and the Invention of Political Choice* ♦ **Sophia Rosenfeld**, University of Virginia; Member, School of Social Science

#### May 19

Egalitarianisms Seminar ♦ *Security as Estrangement* ♦ **Tugba Basaran**, University of Kent; Visitor, School of Social Science

#### May 29

Egalitarianisms Seminar ♦ *The Subject of Tolerance* ♦ **Sara Edenheim**, Umeå University; Visitor, School of Social Science

#### June 3

Egalitarianisms Seminar ♦ *Fearless Sociology* ♦ **Charles M. Payne**, The University of Chicago; Member, School of Social Science

### Director's Office Events

#### September 22

Institute Welcome Reception

#### September 26

AMIAS Family Barbecue

#### October 2

Artists Present ♦ *Spectacle* ♦ **Susan Steinberg**, Writer

#### October 10–11

Edward T. Cone Concert Series ♦ *The Little Match Girl Passion* ♦ **The Crossing**

Edward T. Cone Concert Series Talk ♦ **Donald Nally**, **Kile Smith**, and **Sebastian Currier**, Artist-in-Residence

#### October 17

Friends Culture and Cuisine ♦ *Mastery in Japanese Food Work: The Case of Coffee* ♦ **Merry White**, Professor of Anthropology, Boston University

#### October 18

Science Talk for Families ♦ *The Big Bang* ♦ **Robbert Dijkgraaf**, Director and Leon Levy Professor, Institute for Advanced Study

#### October 24

Public Lecture ♦ *Muslim Perceptions and Receptions of the Bible* ♦ **Sabine Schmidtke**, Professor, School of Historical Studies

#### October 30

Exhibit and Special Event ♦ *All This Has Come Upon Us* ♦ **Mark Podwal**, Artist

#### November 7

AMIAS Lecture ♦ *The Parthenon Sculptures: Decoding Images of Ancient Myths* ♦ **Joan Breton Connelly**, Professor of Classics, New York University

AMIAS Lecture ♦ *Finding Signs of Life on Earth-Like Exoplanets* ♦ **Hanno Rein**, Assistant Professor, University of Toronto

#### November 9

Princeton Symphony Orchestra Concert ♦ **Brad Balliet**, bassoon

## November 14–15

Edward T. Cone Concert Series ♦ *Amsterdam/New Amsterdam* ♦ **Ralph van Raat**, piano

Edward T. Cone Concert Series Talk ♦ **Ralph van Raat** and **Sebastian Currier**, Artist-in-Residence

## November 19

Public Policy Lecture ♦ *The State of Democracy and Voting in a Post-Shelby Era* ♦ **Barbara Arwine**, President and Executive Director, Lawyers' Committee for Civil Rights Under Law

## November 21

Friends Fireside Chat ♦ *Serfdom and Splendor: The World of the Russian Country Estate* ♦ **Priscilla Roosevelt**, Fellow of the Institute for Russian, European, and Eurasian Studies, George Washington University

## November 22

Lens of Computation on the Sciences Conference

## December 19

Institute Community Holiday Party

## January 11

Princeton Symphony Orchestra Concert ♦ *Spanish Winds* ♦ **Ventart-OSPA; Myra Pearse**, flute; **Juan Ferriol**, oboe; **Andreas Weisgerber**, clarinet; **Vincente Mascarell**, bassoon; and **José Luis Morato**, tuba

## January 30

Friends Talk ♦ *A Conversation with Pia de Jong* ♦ **Pia de Jong**, Columnist and Novelist

## February 4

Artists Present ♦ *Facts on the Ground* ♦ **Shimon Attie**, Artist

## February 11

Friends Forum ♦ *Modern Cosmology and the Origin of the Universe* ♦ **Matias Zaldarriaga**, Professor, School of Natural Sciences

## February 18

Albert O. Hirschman Prize Ceremony and Lectures ♦ **Abhijit Banerjee** and **Esther Duflo**, Co-Directors of the Abdul Latif Jameel Poverty Action Lab at the Massachusetts Institute of Technology; **Margaret Levi**, Institute Trustee and Director, Center for Advanced Study in Behavioral Sciences, Stanford University; and **Christopher Udry**, Henry J. Heinz II Professor of Economics, Yale University

## February 20–21

Edward T. Cone Concert Series ♦ *A Harp, a Viola, and a Flute* ♦ **Bridget Kibbey**, harp; **Jack Stulz**, viola; **Julietta Curenton**, flute

Edward T. Cone Concert Series Talk ♦ **Bridget Kibbey**, **Jack Stulz**, **Julietta Curenton**, and **Sebastian Currier**, Artist-in-Residence

## March 4

Artists Present ♦ *May We Be Forgiven* ♦ **A. M. Homes**, Writer

## March 6

Friends Culture and Cuisine, ♦ *The American Plate: A Culinary History in 100 Bites* ♦ **Libby O'Connell**, Chief Historian, SVP Corporate Social Responsibility, HISTORY/A+E Networks

## March 7

Science Talk for Families ♦ *Taking Galaxies Apart and Putting Them Back Together* ♦ **Jo Bovy**, John N. Bahcall Fellow in the School of Natural Sciences

## March 8

Princeton Symphony Orchestra ♦ *The Romantic Violin* ♦ **Ruotao Mao**, violin, and **Michiko Otaki**, piano

## March 9

Special Event ♦ *Cancer: The Emperor of All Maladies* ♦ **Arnold Levine**, Professor Emeritus, Simons Center for Systems Biology, School of Natural Sciences, and **Barak Goodman**, Director

## March 13

Princeton Symphony Orchestra Concert ♦ *Behind the Music Discussion* ♦ **Rossen Milanov**, Music Director, Princeton Symphony Orchestra, and **Sebastian Currier**, Artist-in-Residence

## March 14

Princeton Symphony Orchestra Concert ♦ *Cello Masterclass* ♦ **Zuill Bailey**, cello

## March 19

Public Lecture ♦ *Ancient Human Genomes Suggest Three Ancestral Populations for Present-Day Europeans* ♦ **Johannes Krause**, Professor of Archaeology and Paleogenetics, University of Tübingen; Director, Max Planck Institute for the Science of Human History

## March 20–21

Edward T. Cone Concert Series ♦ *Late Beethoven and American Modernism* ♦ **Peter Serkin**, piano; **Fred Sherry**, cello

Edward T. Cone Concert Series Talk ♦ **Peter Serkin**, **Fred Sherry**, and **Sebastian Currier**, Artist-in-Residence

## April 8

Artists Present ♦ *My Erotic Body* ♦ **Michele Beck**, Artist

## April 10

Public Lecture ♦ *Cut Loose, 1815–1817: Napoleon Returns, David Crosses Borders, and Géricault Wanders Outcast Rome* ♦ **Thomas Crow**, Rosalie Solow Professor of Modern Art, New York University

## April 12

Princeton Symphony Orchestra Concert ♦ *Soprello* ♦ **Alistair MacRae**, cello and **Allison Pohl**, soprano

## April 14

Public Lecture ♦ *Of Particles, Stars, and Eternity* ♦ **Cedric Villani**, Professor, Université Lyon; Director, Institut Henri Poincaré

## April 22

Friends Forum ♦ *Fifty Years of Reforming Urban Schools: What Should We Have* ♦ **Charles Payne**, Friends of the Institute for Advanced Study Member, School of Social Science

## May 1

Public Lecture ♦ *Is the Abstract Mathematics of Topology Applicable to the Real World?* ♦ **Robert MacPherson**, Hermann Weyl Professor, School of Mathematics; **Randall Kamien**, Vicki and William Abrams Professor in the Department of Physics and Astronomy, University of Pennsylvania; **Raúl Rabadán**, Associate Professor in the Department of Systems Biology, Columbia University

## May 8

Public Lecture ♦ *Our Mathematical Universe* ♦ **Max Tegmark**, Professor, Massachusetts Institute of Technology

## May 15

Public Lecture ♦ *Tales from the Data Trenches of Display Advertising* ♦ **Claudia Perlich**, Chief Scientist, Dstillery

## May 27

Friends Annual Meeting and Picnic

## May 29

Staff Picnic