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 • Paleoecological Dynamics of Drought and Pluvials in Mongolia • Kevin Anchukaitis, Woods Hole Oceanographic Institution • The Five Seasons, 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 Hessl, West Virginia University • A Multiparameter Tree-Ring Approach for Understanding Climatic 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 • Chaqun Lu, Auburn University • Climate Extremes, Grassland Productivity, and Animal Production during the Period 900–2010: Implications for Rise and Fall of the Mongol Empire • Hangqin 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 Barbarianus • 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

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 20
Ancient Studies Seminar • Sport, Democracy, and War in Classical Athens • David Prichard, The University of Queensland and Brown University

October 21
Medieval Seminar • Creating the Role of Kinmen 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 • Wêber’s Tonal Space • Suzannah Clark, Harvard University; Member, School of Historical Studies

October 27
East Asian Studies Seminar • A Tale of Two China: 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

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 Dependences: 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 10
Art History Seminar • Picturing Antiquity and the Body after Archaeology • Sarah Betzer, University of Virginia; Member, School of Historical Studies

November 17
History Seminar • The Founding of the Augustinian Order in the Spanish Empire • Sandra Rosenthal, University of California, Santa Barbara; 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: Footnotes (הערות ידידיים) (2011) • Sabine Schmidtke, Professor, School of Historical Studies

Seminar on International Relations • Legitimizing Colonial Subjects: Native Chiefship and the First Italian Administration of Eritrea • Olindo 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 • Rovenskaya Tsybel’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 Yehu Aba’iy, 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 McDougal, 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, Syria, 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 Bne’ak • 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 • Olindo 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 Karmata—The Tafsir-i Suidabdi Responding to Anti-Karimist Polemics • Maryam Tiour, 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 Elie 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 Treats 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 Procesional Stages • Laura Weigert, Rutgers, The State University of New Jersey

Islamicist Seminar • The Birth of the Rabbinic Jestak: Citation and Attribution in Talmudic Literature • Mouie Vidas, Princeton University; Member, School of Historical Studies

Early Modern Europe Workshop • Hugo Castius 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
March 13
Ancient Studies Workshop: Epigraphic Friday • The Athenian Didascaliae (IG II 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 Libituaria Camana (AE, 1971, 89) • John P. Bodell, Brown University; Member, School of Historical Studies • The Late Tajanic Jewish Revolts and A New Inscription at Vaison-la-Romaine • Glen W. Bowersock, Professor Emeritus, School of Historical Studies • The Beaux Melanconas • 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

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 • Maria 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 Chadavar • 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

March 25
Islamicist Seminar • Neo-Otomanism, 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. Bodell, Brown University; 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 5
Art History Seminar • The Prearchitectonic Condition: On Modern Architecture and Prehistory (Sigfried Giedion and André Leroi-Gourhan) • Spyros Papapetrou, Princeton University

May 12
Medieval Seminar • The Meaning of a Late-Book: Lex Salica in the Frankish Kingdoms • Carl 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 Case-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 Archival in the Digital Turn • Nir Shafir, University of California, Los Angeles • General Discussion • Mark Polcynski, 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 Özçel, Harvard University • Linking Kenanpa aza: 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 Concepts and Developing Publics: On Valuing Digital Work, Integrating Students, and the Public in the Work • Michael Połczyński, Georgetown University • Public History and the Middle East • Chris Gratien, Georgetown University • What to Expect from the Conrad and the Sarıgate: An Experience with Collaborative Manuscript Description in the Digital Environment • Evyn Kropf, University of Michigan • Mapping Istanbul’s Hamouts and Routes of Visual Culture: Two Case-Studies of Ancillary Use in Research and Teaching • Nina Ergin, Koç University • Reconstructing Ottoman Armenian Life, Culture, and Society in the Digital Age: Four Years with the Houzhahmadyan 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 T hacen 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 Peoples in Space: Digital Implications of a Study of Landscape • Nicolas Trépanier, University of Mississippi • The Ottoman Inscription Archive: An On-Line, Crowdsourced, Online Digital Geodatabase of Ottoman Dedication Inscriptions • Michael Połczyński, 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 Połczyński, 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
Topological 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 • Seminar II • Uniform Word Are Primitive • Doron Puder, Member, School of Mathematics • Exponential Separation of Information and Communication • Giland 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 Tate Formulas • Raphaël Beuzart-Plessis, Member, School of Mathematics • Rita’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 • Nanyoung Kim, Member, School of Mathematics • High-Dimensional Expanders • Ori Parzanchevski, Member, School of Mathematics

September 26
Topological 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 Furman-Razza 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’ 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 • Airflow Packet through the Trace Formula • Bing Xu, Member, School of Mathematics

September 30
Computer Science/Discrete Mathematics • Seminar II • Uniform Word Are Primitive (continued) • Doron Puder, Member, School of Mathematics • Topological Varieties • The Fano Variety of Lines and Rationality Problem for a Cubic Hypersurface • Lev Borisov, Rutgers, The State University of New Jersey • Szemerédi’s Theorem in Dimension 3 • János Kollár, Princeton University • Member, School of Mathematics • Tropical Curves • June Huh, Princeton University • Veblen Fellow, School of Mathematics

October 1
Topological 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 • Spatiotemporal Patterns of Hypoelastic 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 Cycles 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 G₂: 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, Convexity, 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 Countexamples 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 Schieder, Universität Bonn

Mathematical Conversations • Randomness in the Möbius Function and Dynamics • Peter Sarnak, 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 • Supersymmetry 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 • Good with a Gaussian: An O(n’r) 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

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: Unbundling 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

October 22
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

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 Proof, 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
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" • GiuliaSacca, Member, School of Mathematics

February 2
Computer Science/Discrete Mathematics Seminar I • "Monotonicity Testing and Boolean Isoperimetric Type Theorems" • Subhash Khot, New York University

February 3
Joint IAS/Princeton University Number Theory Seminar • "Randomness 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 4
Topology of Algebraic Varieties • "On the Homology and the Tree of SL2 over Polynomial Rings, and Reflexive Sheaves of Rank 2 on Projective Spaces" • Fabien Morel, Ludwig-Maximilians-Universität München; Member, School of Mathematics

February 6
Princeton/IAS Symplectic Geometry Seminar • "Free Groups via Stallings Core Graphs" • The University of Chicago; Member, School of Mathematics

February 9
Computer Science/Discrete Mathematics Seminar I • "Quantum Computing with Non-Interacting Particles" • Alex Arkhipov, Massachusetts Institute of Technology

February 10
Computer Science/Discrete Mathematics Seminar II • "How to Round Subspaces: A New Spectral Clustering Algorithm" • Ali KemalSinop, Simons Institute for the Theory of Computing, University of California, Berkeley

February 11
Topology of Algebraic Varieties • "On the Homology and the Tree of SL2 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 12
Working Group on Algebraic Number Theory Seminar • "Kottwitz-Rapoport Conjecture on Crystals with Additional Structure" • XuhuaHe, University of Maryland

February 13
Princeton/IAS Symplectic Geometry Seminar • "Symplectic Homology via Gromov-Witten Theory" • LuisDiogo, Columbia University

February 14
Mathematical Conversations • "The Study of Free Groups via Stallings Core Graphs" • DoronPuder, Member, School of Mathematics

February 16
Computer Science/Discrete Mathematics Seminar I • "2-Server PIR with Sub-Polynomial Communication" • SivakanthGopi, Princeton University

February 17
Computer Science/Discrete Mathematics Seminar I • "The Log-Concavity Conjecture and the Tropical Laplacian" • June Huh, Princeton University; Velebn Fellow, School of Mathematics

February 18
Princeton/IAS Symplectic Geometry Seminar • "The Cohomology Group of Hilbert Schemes and Compactified Jacobians of Planar Curves" • LucaMigliorini, Università Degli Studi Di Bologna; Member, School of Mathematics

February 19
Special Seminar • "Bordism, QFT, and a Topological Invariant of Certain Lattice Systems" • DanielFreed, University of Texas at Austin; Member, School of Mathematics

February 20
Princeton/IAS Symplectic Geometry Seminar • "The Symplectic Displacement Energy" • PeterSpaeth, GE Global Research

February 21
Computer Science/Discrete Mathematics Seminar I • "Lower Bounds for Clique vs. Independent Set" • MikaGöös, University of Toronto

February 22
Joint IAS/Princeton University Number Theory Seminar • "Arthur's Trace Formulas and Distribution of Hecke Eigenvalues for GL(n)" • JasminMatz, Member, School of Mathematics

February 24
Computer Science/Discrete Mathematics Seminar I • "Computing Inverses" • LouisRowen, Bar-Ilan University

February 25
Topology of Algebraic Varieties • "Projectivity of the Moduli Space of KSb Stable Pairs and Applications" • ZsoltPatakfalvi, Princeton University

February 26
Working Group on Algebraic Number Theory Seminar • "Polarizations of Smooth Canontically Polarised Surfaces in Characteristic 2" • NikolaosTziolas, University of Cyprus

Spring 2018
Topology of Algebraic Varieties • "The Cohomology Group of Hilbert Schemes and Compactified Jacobians of Planar Curves" • LucaMigliorini, Università Degli Studi Di Bologna; Member, School of Mathematics

March 8
Princeton/IAS Symplectic Geometry Seminar • "The Symplectic Displacement Energy" • PeterSpaeth, GE Global Research

March 9
Mathematical Conversations • "The Study of Free Groups via Stallings Core Graphs" • DoronPuder, Member, School of Mathematics

March 11
Computer Science/Discrete Mathematics Seminar I • "2-Server PIR with Sub-Polynomial Communication" • SivakanthGopi, Princeton University

March 12
Computer Science/Discrete Mathematics Seminar II • "How to Round Subspaces: A New Spectral Clustering Algorithm" • Ali KemalSinop, Simons Institute for the Theory of Computing, University of California, Berkeley

March 13
Topology of Algebraic Varieties • "On the Homology and the Tree of SL2 over Polynomial Rings, and Reflexive Sheaves of Rank 2 on Projective Spaces II" • Fabien Morel, Ludwig-Maximilians-Universität München; Member, School of Mathematics

March 15
Princeton/IAS Symplectic Geometry Seminar • "Free Groups via Stallings Core Graphs" • The University of Chicago; Member, School of Mathematics

March 16
Mathematical Conversations • "The Study of Free Groups via Stallings Core Graphs" • DoronPuder, Member, School of Mathematics

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March 21
Working Group on Algebraic Number Theory Seminar • "Kottwitz-Rapoport Conjecture on Crystals with Additional Structure" • XuhuaHe, University of Maryland

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Joint IAS/Princeton University Number Theory Seminar • "Arthur's Trace Formulas and Distribution of Hecke Eigenvalues for GL(n)" • JasminMatz, Member, School of Mathematics

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Working Group on Algebraic Number Theory Seminar • "Polarizations of Smooth Canontically Polarised Surfaces in Characteristic 2" • NikolaosTziolas, University of Cyprus

March 29
Joint IAS/Princeton University Number Theory Seminar • "Around the Möbius Function" • MaksymRadziwill, Rutgers, The State University of New Jersey

April 5
Princeton/IAS Symplectic Geometry Seminar • "Free Groups via Stallings Core Graphs" • The University of Chicago; Member, School of Mathematics

April 6
Mathematical Conversations • "The Study of Free Groups via Stallings Core Graphs" • DoronPuder, Member, School of Mathematics

April 7
Computer Science/Discrete Mathematics Seminar I • "2-Server PIR with Sub-Polynomial Communication" • SivakanthGopi, Princeton University

April 8
Computer Science/Discrete Mathematics Seminar II • "How to Round Subspaces: A New Spectral Clustering Algorithm" • Ali KemalSinop, Simons Institute for the Theory of Computing, University of California, Berkeley

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April 10
Princeton/IAS Symplectic Geometry Seminar • "Free Groups via Stallings Core Graphs" • The University of Chicago; Member, School of Mathematics

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Computer Science/Discrete Mathematics Seminar I • "2-Server PIR with Sub-Polynomial Communication" • SivakanthGopi, Princeton University

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April 26
Joint IAS/Princeton University Number Theory Seminar • "Around the Möbius Function" • MaksymRadziwill, 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 II • 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 Tree Space • 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 • Kozai Instability Patterns in Fiver Theory • Yankı Lekili, University of Illinois at Chicago

March 16
Computer Science/Discrete Mathematics Seminar I • Tight Hardness of the Non-Conmutative 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’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 • Fiber-like Complexes for Surfaces, Maximal Unlinked Brads, 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 • Intractability 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
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

April 2
Visiting Professor, School of Mathematics

Alexei Entin, Member, School of Mathematics

April 6

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_3 • 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; Member, School of Mathematics

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 Moduli-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 • Ek Nath 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 Chemo-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 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 Ascent onto Supermassive Black Hole Binaries • Brian Farris, New York University and Columbia University

October 21
Institute for Advanced Study/Princeton University Joint Astrophysics Colloquium • Exploring 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 Photopoint of the Universe; Unavoidable Spectral Distortions of CMB • Rashid Sunyaev, Max-Planck-Institute für Astrophysik; Visiting Professor, School of Natural Sciences
November 13
Astrophysics Informal Seminar • Powerful Radiatively Driven Jets in Supernovae
• 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 Micrhalos 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 Espallat, 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 Duite 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 Ediping 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 2 km 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 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—Bridge Theory and Observations • Til Bissantz, 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
HIGH ENERGY THEORY

ACTIVITIES

September 30
High Energy Theory Seminar • Feedback on Recent Results on the Higgs + Chang-Goo Kim, Princeton University

October 1
Physics Group Meeting • From Spins to Strings + 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 π²) Reussmann + Takemichi Okui, Florida State University

October 13
High Energy Theory Seminar • Infinity-Algebras, SUSY Interfaces, and Categorified 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 Boost-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 + Matthew Bullimore, Perimeter Institute of Theoretical Physics; Member, School of Natural Sciences

December 8
High Energy Theory Seminar • Completing Higher Spin de Sitter Holography + Frederik Beneke, 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 Cast Anomalous Dimension in QCD + Johannes Henn, Member, School of Natural Sciences

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
February 19
Special Physics Seminar • Bonlom, 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 $\delta_{gld}$ • 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 • Suvarat
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 AdS3 •
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 N3LO • 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
Ganginos • Neal Weiner, New York University

April 29
Physics Group Meeting • New Approaches to
Scattering Amplitudes: From On-Shell Diagrams to the Amplitude
choi • 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 Innate 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 Lukasz, 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
Bacteria Meeting • Bacterial Sporulation and Germination • Jonathan Dworkin, Columbia University • Global Evolution Pressures on DNA • Edo Kussel, 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 Reactorizer Meeting • Review of the Biology • Darren Carpizo, Rutgers Cancer Institute of New Jersey • Physical Chemical Studios • Stewart Loh and Adam Blanden, Upstate Medical University, The State University of New York • Chemical Synthesis • David Kimball, David Augeri, and John Gillerman, 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 • Strona, 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 nRNAs 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 & nRNA in Inflammatory Responses • Benjamin D. Greenbaum, Ichsan 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. Drobny, 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 • Forestal 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 Analysis 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/Cas9 • 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
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 Discret 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 Lettoncy • 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

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 • Sharan W. Mukand, University of Warwick; Member, School of Social Science

November 24
Social Science Lunch Seminar • Reading Phetry “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 (Senegale, 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

February 18
SSRC Albert O. Hirschman Prize Ceremony and Lectures

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 Julilly 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 • Julilly 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
April 15
Workshop on Ideas, Institutions, and Political Economy • How Political Economies Change: The Evolution of Communal Regimes in the Developed Democracies • Peter Hall, Harvard University

April 20
Social Science Lunch Seminar • What's Wrong with “Revolving Children”? + Jill Locke, Gustavus Adolphus College; Member, School of Social Science

Book Talk • The Paradox of Liberation: Secular Revolution and Religious Countervolution • 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 Logic 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 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

November 9
Princeton Symphony Orchestra Concert • Brad Balliett, bassoon
<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>November 14–15</td>
<td>Edward T. Cone Concert Series • Amsterdam/New Amsterdam • Ralph van Raat, piano</td>
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<tr>
<td>November 19</td>
<td>Public Policy Lecture • The State of Democracy and Voting in a Post-Shelby Era • Barbara Arnwine, President and Executive Director, Lawyers’ Committee for Civil Rights Under Law</td>
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<tr>
<td>November 21</td>
<td>Friends Fireside Chat • Sefilom and Splendor: The World of the Russian Country Estate • Priscilla Roosevelt, Fellow of the Institute for Russian, European, and Eurasian Studies, George Washington University</td>
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<tr>
<td>November 22</td>
<td>Lens of Computation on the Sciences Conference</td>
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<td>December 19</td>
<td>Institute Community Holiday Party</td>
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<tr>
<td>January 11</td>
<td>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</td>
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<tr>
<td>January 30</td>
<td>Friends Talk • A Conversation with Pia de Jong • Pia de Jong, Columnist and Novelist</td>
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<tr>
<td>February 4</td>
<td>Artists Present • Facts on the Ground • Shimon Attie, Artist</td>
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<td>February 11</td>
<td>Friends Forum • Modern Cosmology and the Origin of the Universe • Matías Zaldarriaga, Professor, School of Natural Sciences</td>
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<tr>
<td>February 18</td>
<td>Albert O. Hirschman Prize Ceremony and Lectures • Abhijit Banerjee and Esther Dufló, 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</td>
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<tr>
<td>February 20–21</td>
<td>Edward T. Cone Concert Series • A Harp, a Violin, and a Flute • Bridget Kibbey, harp; Jack Stulz, viola; Julietta Curenton, flute</td>
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<tr>
<td>March 4</td>
<td>Artists Present • May We Be Forgiven • A. M. Homes, Writer</td>
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<tr>
<td>March 6</td>
<td>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</td>
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<tr>
<td>March 7</td>
<td>Science Talk for Families • Taking Galaxies Apart and Putting Them Back Together • Jo Bovy, John N. Bahcall Fellow in the School of Natural Sciences</td>
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<tr>
<td>March 8</td>
<td>Princeton Symphony Orchestra • The Romantic Violin • Ruotao Mao, violin, and Michiko Otaki, piano</td>
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<tr>
<td>March 9</td>
<td>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</td>
</tr>
<tr>
<td>March 13</td>
<td>Princeton Symphony Orchestra Concert • Behind the Music Discussion • Rossen Milanov, Music Director, Princeton Symphony Orchestra, and Sebastian Currier, Artist-in-Residence</td>
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<tr>
<td>March 14</td>
<td>Princeton Symphony Orchestra Concert • Cello Masterclass • Zuill Bailey, cello</td>
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<tr>
<td>March 19</td>
<td>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</td>
</tr>
<tr>
<td>March 20–21</td>
<td>Edward T. Cone Concert Series • Late Beethoven and American Modernism • Peter Serkin, piano; Fred Sherry, cello</td>
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<tr>
<td>April 4</td>
<td>Artists Present • My Erotic Body • Michele Beck, Artist</td>
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<td>April 10</td>
<td>Public Lecture • Cat Loos, 1815–1817: Napoleon Returns, David Crosses Borders, and Gérard Wallon: Outcast Rome • Thomas Crow, Rosalie Solow Professor of Modern Art, New York University</td>
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<tr>
<td>April 12</td>
<td>Princeton Symphony Orchestra Concert • Soprano • Alistair MacRae, cello and Allison Pohl, soprano</td>
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<tr>
<td>April 14</td>
<td>Public Lecture • Of Particles, Stars, and Eternity • Cedric Villani, Professor, Université Lyon; Director, Institut Henri Poincaré</td>
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<td>April 22</td>
<td>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</td>
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<tr>
<td>May 1</td>
<td>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</td>
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<tr>
<td>May 8</td>
<td>Public Lecture • Our Mathematical Universe • Max Tegmark, Professor, Massachusetts Institute of Technology</td>
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<tr>
<td>May 15</td>
<td>Public Lecture • Tales from the Data Trenches of Display Advertising • Claudia Perlich, Chief Scientist, Distillery</td>
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<tr>
<td>May 27</td>
<td>Friends Annual Meeting and Picnic</td>
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<tr>
<td>May 29</td>
<td>Staff Picnic</td>
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