

## **Program Committee 2018**

János Kollár (Princeton University, USA), *chair*  
Irit Dinur (Weizmann Institute of Science, Israel)  
Jianshu Li (Hong Kong University of Science and Technology, Hong Kong)  
Hiraku Nakajima (KURIMS, Japan)  
Ngô Bảo Châu (University of Chicago, USA)  
Sorin Popa (UCLA, USA)  
Enrique Pujals (IMPA, Brazil)  
Laure Saint-Raymond (ENS, France)  
Stanislav Smirnov (Université de Genève, Switzerland)  
Eitan Tadmor (University of Maryland, USA)  
Ulrike TILLMANN (University of Oxford, UK)  
Aad VAN DER VAART (Leiden University, Netherlands)

## **Sectional Panels for ICM 2018**

### *1. Logic and Foundations*

Jonathan Pila (Oxford, UK), *Chair*  
Ehud Hrushovski (Hebrew University, Israel)  
Julia Knight (University of Notre Dame, USA)  
Itay Neeman (UCLA, USA)  
Michael Rathjen (University of Leeds, UK)  
Slawomir Solecki (University of Illinois, USA)

### *2. Algebra*

Guillermo Cortiñas (Universidad de Buenos Aires, Argentina), *Chair*  
Georgia Benkart (Wisconsin, USA)  
William Crawley-Boevey (Leeds, UK)  
Robert Guralnick (USC, USA)  
Dmitri Orlov (Steklov Mathematical Institute, Russia)  
Marie-Françoise Roy (Rennes, France)  
Kyoji Saito (University of Tokyo, Japan)

### *3. Number Theory*

Richard Taylor (IAS, USA), *Chair*  
Ben Green (University of Oxford, UK)  
Takeshi Saito (University of Tokyo, Japan)  
Akshay Venkatesh (Stanford, USA)  
Marie-France Vigneras (Paris 7, France)  
Umberto Zannier (Scuola Normale Superiore di Pisa, Italy)

### *4. Algebraic and Complex Geometry*

Robert Lazarsfeld (Stony Brook, USA), *Chair*  
Mark Gross (University of Cambridge, UK)  
Melissa Chiu-Chu Liu (Columbia, USA)

Mircea Mustață (Michigan, USA)  
Mihai Paun (KIAS, Korea; later USA)  
Michael Rapoport (Bonn, Germany)  
Takeshi Tsuji (University of Tokyo, Japan)

#### 5. *Geometry*

Fernando Codá Marques (Princeton, USA & Brazil), *Chair*  
Olivier Biquard (ENS, France)  
Yong-Geun Oh (IBS Center for Geom. and Phys., Korea)  
Ko Honda (UCLA, USA)  
Olga Kharlampovich (Hunter College, CUNY, USA)  
Peter Topping (University of Warwick, UK)  
Dani Wise (McGill University, Canada)

#### 6. *Topology*

Peter Teichner (MPI, Germany and Berkeley, USA), *Chair*  
Denis Auroux (Berkeley, USA)  
David Gabai (Princeton, USA)  
Thomas Goodwillie (Brown, USA)  
Kazuo Habiro (Kyoto, Japan)  
András Stipsicz (Rényi Institute of Mathematics, Hungary)  
Karen Vogtmann (University of Warwick, UK)  
Shmuel Weinberger (Chicago, USA)

#### 7. *Lie Theory and Generalizations*

Colette Moeglin (Jussieu, France), *Chair*  
Mikhail Belolipetsky (IMPA, Brazil)  
Roman Bezrukavnikov (MIT, USA)  
Alexander Furman (UIC, USA)  
Wee Teck Gan (National University of Singapore, Singapore)  
Gunter Malle (Kaiserslautern, Germany)  
Vera Serganova (UC Berkeley, USA)  
Catharina Stroppel (Bonn, Germany)  
T.N. Venkataramana (Tata Institute, India)

#### 8. *Analysis and Operator Algebras*

Kari Astala (University of Helsinki, Finland), *Chair*  
Marianna Csörnyei (University of Chicago, USA)  
Damien Gaboriau (ENS Lyon, France)  
László Lempert (Purdue University, USA)  
Narutaka Ozawa (University of Kyoto, Japan)  
Jill Pipher (Brown University, USA)  
Kristian Seip (Norwegian University of Science & Technology, Norway)  
Christoph Thiele (Bonn, Germany)  
Stefaan Vaes (KU Leuven, Belgium)

### *9. Dynamical Systems and Ordinary Differential Equations*

Amie Wilkinson (University of Chicago, USA), *Chair*  
Marie-Claude Arnaud (Avignon, France)  
Artur Avila (IMPA, Brazil/CNRS, France)  
Sylvain Crovisier (Paris-Sud, France)  
François Ledrappier (Emeritus, Notre Dame, USA and École Polytechnique, France)  
Jens Marklof (Bristol, UK)  
Omri Sarig (Weizmann Institute, Israel)  
Weixiao Shen (Fudan, China)  
Masato Tsujii (Kyushu University, Japan)

### *10. Partial Differential Equations*

Felix Otto (MPI, Germany), *Chair*  
Isabelle Gallagher (Université Paris-Diderot, France)  
Yan Guo (Brown University, USA)  
Gustavo Ponce (UCSB, USA)  
Tristan Rivière (ETH, Switzerland)  
Steve Zelditch (Northwestern, USA)  
Maciej Zworski (UC Berkeley, USA)

### *11. Mathematical Physics*

Antti Kupiainen (University of Helsinki, Finland), *Chair*  
Nalini Anantharaman (Strassburg, France)  
Alexander Borodin (MIT, USA)  
Roberto Longo (Roma 2, Italy)  
Tetsuji MIWA (Japan)  
Christoph Schweigert (University of Hamburg, Germany)  
Sylvia Serfaty (Jussieu, France; later USA)  
Tom Spencer (IAS, Princeton, USA)

### *12. Probability and Statistics*

Greg Lawler (University of Chicago, USA), *Chair*  
Emmanuel Candes (Stanford University, USA)  
Martin Hairer (University of Warwick, UK)  
Iain Johnstone (Stanford University, USA)  
Ya'acov Ritov (Hebrew University, Israel)  
Vladas Sidoravicius (Brazil)  
Sara van der Geer (ETH Zurich, Switzerland)  
H-T Yau (Harvard, USA)

### *13. Combinatorics*

Noga Alon (Tel Aviv University, Israel), *Chair*  
Imre Bárány (Rényi Institute of Mathematics, Hungary)  
Mireille Bousquet-Mélou, (CNRS and Bordeaux, France)  
Henry Cohn (Microsoft Research, New England, USA)  
Sergey Fomin (University of Michigan, USA)

Jacob Fox (Stanford, USA)  
Angelika Steger (ETH, Switzerland)

#### *14. Mathematical Aspects of Computer Science*

Avi Wigderson (IAS, USA), *Chair*  
Julia Chuzhoy (University of Chicago, USA)  
Cynthia Dwork (Microsoft & Harvard, USA)  
Johan Hastad (KTH Royal Institute of Technology, Sweden)  
Jon Kleinberg (Cornell, USA)  
Daniel Spielman (Yale University, USA)

#### *15. Numerical Analysis and Scientific Computing*

Björn Engquist (University of Texas, Austin, USA), *Chair*  
Susanne Brenner (Louisiana State University, USA)  
Tony Chan (University of Science and Technology, Hong Kong)  
Albert Cohen (Université Pierre et Marie Curie, France)  
Rosa Donat (University of Valencia, Spain)  
Arieh Iserles (Cambridge, UK)  
Ian Sloan (University of New South Wales, Australia)

#### *16. Control Theory and Optimization*

Gunther Uhlmann (University of Washington, USA), *Chair*  
Michel Goemans (MIT, USA)  
Monique Laurent (Centrum Wiskunde & Informatica, Netherlands)  
Gilles Lebeau (Université Nice, France)  
José Mario Martinez (State University of Campinas, Brazil)  
András Vasy (Stanford, USA)  
Ya-xiang Yuan (Chinese Academy of Sciences, Beijing China)

#### *17. Mathematics in Science and Technology*

Ronald DeVore (Texas A&M, USA), *Chair*  
Hans Föllmer (Humboldt University Berlin, Germany)  
Jean-Michel Morel (Paris Saclay, France)  
Stefan Müller (University of Bonn, Germany)  
Hinke Osinga (Auckland, New Zealand)  
Shige Peng (Shandong University, China)  
Terry Speed (Hall Institute of Med. Res., Australia)  
Andrew Stuart (University of Warwick, UK)  
Ruth Williams (UCSD, USA)

#### *18. Mathematics Education and Popularization of Mathematics*

Cheryl Praeger (University of Western Australia, Australia), *Chair*  
Jill Adler (University of the Witwatersrand, South Africa)  
Eduardo Colli (Universidade de São Paulo, Brazil)  
Jean-Luc Dorier (Université de Genève, Switzerland)

Zahra Gooya (Shahid Beheshti University, Iran)  
Allyn Jackson (writer and editor, USA)  
SIU Man Keung (HKU, Hong Kong)  
Andreas Daniel Matt (Imaginary, Germany)

*19. History of Mathematics*

June Barrow-Green (The Open University, UK), *Chair*  
Thomas Archibald (Simon Fraser University, Canada)  
Leo Corry (Tel Aviv University, Israel)  
Jeanne Peiffer (Centre Alexandre Koyré France & Lux)  
Han Qi (Inst. History of Natural Sciences, Chinese Academy of Sciences, Beijing China)  
Norbert Schappacher (Université de Strasbourg, France & Germany)