



# Simons Visiting Professors 2017

Ricardo H. Nochetto, College Park

Workshop 1704: Emerging Developments in Interfaces and Free Boundaries

Host 1: Sören Bartels, Freiburg

Host 2: Michael Hinze, Hamburg

David C. Brydges, Vancouver

Mini-Workshop 1706a: Cluster Expansions: From Combinatorics to Analysis

Host: Sabine C. Jansen, Brighton

Aldo Procacci, Belo Horizonte

Mini-Workshop 1706a: Cluster Expansions: From Combinatorics to Analysis

Host: Benedetto Scoppola, Roma

Ralf Schiffler, Storrs

Workshop 1708: Representation Theory of Quivers and Finite Dimensional Algebras

Host: Henning Krause, Bielefeld

Johannes Muhle-Karbe, Ann Arbor

Workshop 1709: Mathematics of Quantitative Finance

Host: Josef Teichmann, Zürich

Raul E. Curto, Iowa City

Workshop 1710: Real Algebraic Geometry With a View Toward Moment Problems and Optimization

Host: Salma Kuhlmann, Konstanz

Ken Dykema, College Station

Workshop 1710: Real Algebraic Geometry With a View Toward Moment Problems and Optimization

Roland Speicher, Saarbrücken

Igor Klep, Auckland

Workshop 1710: Real Algebraic Geometry With a View Toward Moment Problems and Optimization

Host: Victor Vinnikov, Konstanz



Peter G. Binev, Columbia  
Workshop 1713: Multiscale and High-Dimensional Problems  
Host: Albert Cohen, Paris

Seth Sullivant, Raleigh  
Workshop 1716: Algebraic Statistics  
Host: Thomas Kahle, Magdeburg

Ta Le Loi, Dalat, Lamdong  
Workshop 1718: O-Minimality and its Applications to Number Theory and Analysis  
Host: Tobias Kaiser, Passau

Chris Miller, Columbus  
Workshop 1718: O-Minimality and its Applications to Number Theory and Analysis  
Host 1: Patrick Speissegger, Konstanz  
Host 2: Georges Comte, Le Bourget-du-Lac

Jinkai Li, Shatin, Hong Kong  
Workshop 1719: Geophysical Fluid Dynamics  
Host: Matthias Hieber, Darmstadt

Thieu-Huy Nguyen, Hanoi  
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Host: Matthias Hieber, Darmstadt

Adrianna Gillman, Houston  
Workshop 1720: Computational Inverse Problems for Partial Differential Equations  
Host: Per-Gunnar Martinsson, Oxford

Xuhua He, College Park  
Workshop 1721: Harmonic Analysis and the Trace Formula  
Host: Benoit Stroh, Villetaneuse Cedex

Sebastian Schreiber, Davis  
Workshop 1725a: Reaction Networks and Population Dynamics  
Host 1: Reinhard Bürger, Wien  
Host 2: Josef Hofbauer, Wien

Davron Matrasulov, Tashkent  
Workshop 1725b: Nonlinear Partial Differential Equations on Graphs  
Host: Thomas Riedl, Wuppertal



Pedro A. S. Salomão, São Paulo  
Workshop 1728: Dynamische Systeme  
Host 1: Alberto Abbondandolo, Bochum  
Host 2: Barney Bramham, Bochum

Randall D. Kamien, Philadelphia  
Workshop 1729: Material Theories  
Host: Selim Jochim, Heidelberg

Isroil A. Ikromov, Samarkand  
Workshop 1730: Real Analysis, Harmonic Analysis, and Applications  
Host: Detlef Müller, Kiel

Yannick Sire, Baltimore  
Workshop 1731: Partial Differential Equations  
Host: Juan-Luis Vazquez, Madrid

Dan A. Lee, New York  
Workshop 1732: Analysis, Geometry and Topology of Positive Scalar Curvature Metrics  
Host 1: Bernd Ammann, Regensburg  
Host 2: Michael Eichmair, Wien

Nathan G. Perlmutter, Stanford  
Workshop 1732: Analysis, Geometry and Topology of Positive Scalar Curvature Metrics  
Host: Bernhard Hanke, Augsburg

Stavros Garoufalidis, Atlanta  
Workshop 1734: Low-dimensional Topology and Number Theory  
Host: Don B. Zagier, Bonn

Mark A. de Cataldo, Stony Brook  
Workshop 1735: Komplexe Analysis  
Host: Stefan Kebekus, Freiburg

William Duke, Los Angeles  
Workshop 1736: Automorphic Forms and Arithmetic  
Host: Özlem Imamoglu, Zürich

Maksym Radziwill, Montreal  
Workshop 1736: Automorphic Forms and Arithmetic  
Host: Valentin Blomer, Göttingen



Lisa Orloff Clark, Wellington  
Mini-Workshop 1738a: MASAs and Automorphisms of  $C^*$ -Algebras  
Host: Wojciech Szymanski, Odense

Mihnea Popa, Evanston  
Workshop 1739: Algebraic Geometry: Birational Classification, Derived Categories, and Moduli Spaces  
Host: Stefan Kebekus, Freiburg

Anton Gorodetski, Irvine  
Workshop 1740: Spectral Structures and Topological Methods in Mathematical Quasicrystals  
Host: Victor Kleptsyn, Rennes

Nicolae Strungaru, Edmonton  
Workshop 1740: Spectral Structures and Topological Methods in Mathematical Quasicrystals  
Host: Michael Baake, Bielefeld

Jin Feng, Lawrence  
Workshop 1746: Variational Methods for Evolution  
Host: Mark A. Peletier, Eindhoven

Shamil Shakirov, Cambridge US  
Workshop 1748: Reflection Positivity  
Host: Maxim Zabzine, Uppsala

Christian D. Jaekel, São Paulo  
Workshop 1748: Reflection Positivity  
Host: Karl-Hermann Neeb, Erlangen

Franca Hoffmann, Pasadena  
Workshop 1749: Classical and Quantum Mechanical Models of Many-Particle Systems  
Host: Jean Dolbeault, Paris