

American Mathematical Society

Spring Eastern Sectional Meeting

Invited Addresses

F.R. Hertz, Pennsylvania State University
N. Hingston, The College of New Jersey
S. Tavaré, Cambridge University
Y. Zhang, University of New Hampshire

Georgetown University
Washington DC
March 7-8, 2015

Special Session on Algebra and Representation Theory

Ela Celikbas, University of Connecticut
Olgur Celikbas, University of Connecticut
Frank Moore, Wake Forest University

Special Session on Algebraic Structures Motivated by and Applied to Knot Theory

Jozef H. Przytycki, George Washington University
Radmilla Sazdanovic, North Carolina State University
Alexander N. Shumakovitch, George Washington University
Hao Wu, George Washington University

Special Session on Asymptotic Problems for Stochastic Processes and PDEs

Sandra Cerrai, University of Maryland
Dmitry Dolgopyat, University of Maryland
Mark Freidlin, University of Maryland
Leonid Korolov, University of Maryland

Special Session on Bases and Frames in Hilbert Spaces and Applications

Laura De Carli, Florida International University

Special Session on Characterizing Uncertainty for Modeling Physical Processes

Ali Arab, Georgetown University

Special Session on Closure Operations in Commutative Algebra

Neil Epstein, George Mason University
Lance Edward Miller, University of Arkansas

Special Session on Computable Structure Theory

Rumen Dimitrov, Western Illinois University
Valentina Harizanov, George Washington University
Russell Miller, Queens College and Graduate Center

Special Session on Conceptual Mathematical Models in Climate Science

Hans Engler, Georgetown University
Hans Kaper, Georgetown University

Special Session on Convexity and Combinatorics

Jim Lawrence, George Mason University
Valeriu Soltan, George Mason University

Special Session on Crossing Numbers of Graphs

Paul Kainen, Georgetown University

Special Session on Data Assimilation: Recent Progress in Theory, Methods and Applications

M. Lunasin, United States Naval Academy
Reza Malek-Madani, United States Naval Academy

Special Session on Difference Equations and Applications

Michael Radin, Rochester Institute of Technology
Steven J. Miller, Williams College

Special Session on Dynamical Systems Models of Physiological Processes

Paula Grajdeanu, Shenandoah University
Talitha Washington, Howard University
Abdul-Aziz Yakubu, Howard University

Special Session on Geometric Structures on Low-Dimensional Manifolds and their Invariants

Cagatay Kutluhan, University at Buffalo
Thomas E. Mark, University of Virginia
Bulent Tosun, University of Virginia

Special Session on History and Philosophy of Mathematics

V. Frederick Rickey, West Point Military Academy
James J. Tattersall, Providence College

Special Session on Inverse Problems for Non-destructive Testing

Nicolas Valdivia, Naval Research Laboratory

Special Session on Iterated Integrals and Applications

Ivan Horozov, Washington University in St. Louis

Special Session on Mathematical Fluid Dynamics and Turbulence

Zachary Bradshaw, University of British Columbia
Aseel Farhat, Indiana University
Michele Coti Zelati, University of Maryland

Special Session on Nonlinear Dispersive and Wave Equations with Applications to Fluids

Pierre Germain, New York University
Zaher Hani, New York University
Benoit Pausader, Princeton University

Special Session on Nonlinear Partial Differential Equations in Sciences and Engineering

Lorena Bociu, North Carolina State University
Ciprian Gal, Florida International University
Daniel Toundykov, University of Nebraska

Special Session on Number Theory in Ergodic Theory and Dynamical Systems

Joe Herning, Northern Virginia Community College
Erblin Mehmetaj, George Washington University and Georgetown U.
E. Arthur Robinson Jr., George Washington University
Tyler White, Northern Virginia Community College

Special Session on Operator Theory on Analytic Function Spaces

Robert F. Allen, University of Wisconsin, La Cross
Flavia Colonna, George Mason University

Special Session on Optimization Theory, Algorithms and Applications

Olga Brezhneva, Miami University, Oxford, OH
Igor Griva, George Mason University

Special Session on Patterns in Permutations and Words

Alexander Burstein, Howard University

Special Session on Qualitative Behavior of Solutions of Partial Differential Equations

Junping Shi, College of William and Mary
Jiuyi Zhu, John Hopkins University

Special Session on Quantum Algebras, Representations, and Categorifications

Sean Clark, University of Virginia
Weiqiang Wang, University of Virginia

Special Session on Singularities: Algebraic and Analytic Aspects

Claudia Miller, Syracuse University
Sophia Vassiliadou, Georgetown University

Special Session on Somos Sequences and Nonlinear Recurrences

Andrew Vogt, Georgetown University

Special Session on Spatial Evolutionary Models and Biological Invasions

Judith Miller, Georgetown University
Yuan Lou, Ohio State University

Special Session on Stochastic Analysis and Stochastic PDEs

Sandra Cerrai, University of Maryland
Frederi Viens, Purdue University

Special Session on Topology in Biology

Paul Kainen, Georgetown University

Special Session on Within-Host Disease Modeling

Stanca Ciupe, Virginia Polytechnic Institute
Sivan Leviyang, Georgetown University