The National Science Foundation has funded six NSF-CBMS Regional Research Conferences to be held in 2010. These six will bring to 326 the total number of such conferences since the NSF-CBMS Regional Research Conference Series began in 1969.

These conferences are intended to stimulate interest and activity in mathematical research. Each five day conference features a distinguished lecturer who delivers ten lectures on a topic of important current research in one sharply focused area of the mathematical sciences. The lecturer subsequently prepares an expository monograph based upon these lectures. Depending upon the conference topic, the monograph is published by AMS, SIAM, or jointly by ASA and IMS. Some recent monographs are listed on the reverse side of this page.

Information about an individual conference may be obtained by contacting the conference organizer. Support for about 30 participants is provided and the conference organizer invites both established researchers and interested newcomers, including postdoctoral fellows and graduate students, to attend.

Information about the series and guidelines for submitting proposals for future conferences are available at the CBMS website listed below and may also be obtained by writing or calling the Conference Board of the Mathematical Sciences.

CBMS
1529 Eighteenth Street, NW
Washington DC 20036
Tel: 202-293-1170, Fax: 202-293-3412
Email: rosier@georgetown.edu
or lkolbe@maa.org
www.cbmsweb.org

ANNOUNCEMENT OF THE 2010 NSF-CBMS CONFERENCES

REGIONAL RESEARCH CONFERENCES IN THE MATHEMATICAL SCIENCES

The Mathematics of Diffusions
Wei-Ming Ni, lecturer
May 17-21 at Tulane University
Xuefeng Wang, organizer
504-865-3451, xfw@math.tulane.edu
504-865-5727 (Math Dept)
mth.tulane.edu/~xfw/cbms/cbms.html

Nonlinear Water Waves with Applications to Wave-Current Interactions and Tsunamis
Adrian Constantin, lecturer
May 17-21 at the University of Texas-Pan American
Lokenath Debnath and Andras Balogh, organizers
956-381-3459, debnathl@utpa.edu
956-381-2119,abalogh@utpa.edu
www.math.utpa.edu/cbms2010.html

Quiver Varieties and Crystal Bases of Quantum Affine Algebras
Hiraku Nakajima, lecturer
May 25-29 at North Carolina State University
Naihuan Jing, organizer
919-513-3584, jing@unc.com
www4.ncsu.edu/~jing/conf/CONFERENCE/EXTRAS/Program.html

The Mutually Beneficial Relationship of Matrices and Graphs
Richard Brualdi, lecturer
July 12-16 at Iowa State University
Leslie Hogben and Bryan L. Shader, organizers
515-451-1505, hogben@iastate.edu
515-469-6826, bshader@iastate.edu
www.math.iastate.edu/~hogben/Conference/Conf2010.html

Recent Advances in the Numerical Approximation of Stochastic Partial Differential Equations
Peter E. Kloeden, lecturer
August 9-13 at the Illinois Institute of Technology
Jinqiao Duan, Igor Cialenco, and Fred J. Hickernell, organizers
312-567-5335, duan@iit.edu
312-567-3131, igor@math.iit.edu
312-567-8983, fred@math.iit.edu
mypages.iit.edu/duan/SPDE2010.html

Bayesian Nonparametric Statistical Methods: Theory and Applications
Peter Müller, lecturer
August 16-20 at the University of California, Santa Cruz
Abel Rodriguez and Athanasios Kottas, organizers
831-459-5278, abel@ams.ucsc.edu
831-459-5536, thanos@ams.ucsc.edu
www.ams.ucsc.edu/SPDE2010.html
Recent Monograph Titles in the
NSF-CBMS Regional Research Conference Series

Published by the American Mathematical Society

David Nualart, Malliavin Calculus and its Applications, 2009
Robert J. Zimmer and Dave Witte Morris, Ergodic Theory, Groups, and Geometry, 2008
Alexander Koldobsky and Vladyslav Yaskin, The Interface between Convex Geometry and Harmonic Analysis, 2008
Fan Chung and Linyuan Lu, Complex Graphs and Networks, 2006
Terence Tao, Nonlinear Dispersive Equations: Local and Global Analysis, 2006
Christoph Thiele, Wave Packet Analysis, 2006
Donald Saari, Collisions, Rings, and Other Newtonian N-Body Problems, 2005
Iain Raeburn, Graph Algebras, 2005
Henri Darmon, Rational Points on Modular Elliptic Curves, 2003
Alexander Volberg, Calderon-Zygmund Capacities and Operators on Nonhomogeneous Spaces, 2003
Alain Lascoux, Symmetric Functions and Combinatorial Operators on Polynomials, 2003
Alexander Varchenko, Special Functions, KZ Type Equations, and Representation Theory, 2003
Bernd Sturmfels, Solving Polynomial Equations, 2002
Niky Kamran, Selected Topics in the Geometrical Study of Differential Equations, 2002
Benjamin Weiss, Single Orbit Dynamics, 2000
David Saltman, Lectures on Division Algebras, 1999
Goro Shimura, Euler Products and Eisenstein Series, 1997
Fan R. K. Chung, Spectral Graph Theory, 1997

Published by the Society for Industrial and Applied Mathematics

Margaret Cheney and Brett Borden, Fundamentals of Radar Imaging, 2009
Zhangxin Chen, Reservoir Simulation: Mathematical Techniques in Oil Recovery, 2007
J. K. Shaw, Mathematical Principles of Optical Fiber Communications, 2004
Irena Lasiecka, Mathematical Control Theory of Coupled PDEs, 2002
Gérard Cornuéjols, Combinatorial Optimization: Packing and Covering, 2000
Michael Renardy, Mathematical Analysis of Viscelastic Flows, 2000
Tai-Ping Liu, Hyperbolic and Viscous Conservation Laws, 2000

Published by the Institute of Mathematical Statistics
and the American Statistical Association

Nan Laird, Analysis of Longitudinal and Cluster-Correlated Data, 2004
Charles McCulloch, Generalized Linear Mixed Models, 2003
Elizabeth A. Thompson, Statistical Inference from Genetic Data on Pedigrees, 2000