FOUR NEW ASSISTANT PROFESSORS JOIN THE DEPARTMENT OF MATHEMATICS THIS FALL

The CSU Department of Mathematics enthusiastically welcomes four new tenure track faculty to its roster this fall.

Dr. Daniel Bates, along with his wife Sarah and 18 month old daughter Rachel, arrived in Fort Collins in August from Minnesota. Dr. Bates was raised outside of Cleveland, Ohio. He recently completed a postdoctoral fellowship at the IMA at the University of Minnesota in Minneapolis. In 2006, Dr. Bates completed his Ph.D. at the University of Notre Dame under the advisement of Professor Andrew Sommese. Dr. Bates’ main research interests are in numerical algebraic geometry, numerical analysis, scientific (including parallel) computation, optimal control theory, and fewnomial theory.

Dr. Renzo Cavalieri joins our department from the University of Michigan in Ann Arbor, where he was an assistant professor the past three years. Dr. Cavalieri was born in Milan, Italy. He completed his graduate education at the University of Utah under the advisement of Professor Aaron Bertram. His research is about questions in intersection theory on various moduli spaces, in particular, developing a working dictionary between the geometry of moduli spaces of curves and stable maps, the representation theory built into Hurwitz spaces and the combinatorial structure of Hodge integrals. In his spare time Dr. Cavalieri enjoys playing the piano and being in the mountains.

Dr. Patrick Shipman recently joined our department at CSU after completing a two-year National Science Foundation postdoctoral fellowship at the University of Maryland in College Park. Originally from Arizona, Dr. Shipman attended the University of Arizona in Tucson for both his undergraduate and graduate degrees. Professor Alan Newell was his Ph.D. advisor. Dr. Shipman’s current research is in mathematical modeling of biomolecular electrostatics, diffusion, force and conformational change, applied analysis and numerical analysis of related differential equations, and scientific computing.

Dr. Yongcheng Zhou, along with his wife Yuhui Sun, arrived in Fort Collins in August after their move from California. Dr. Zhou completed his two-year postdoctoral research fellowship at the University of California in San Diego. Dr. Zhou received both his bachelor and master’s degrees in Mechanical Engineering in China. He later earned his Ph.D. in applied mathematics from Michigan State University. Professor Guowei Wei was his Ph.D. advisor. Dr. Zhou’s current research is in mathematical modeling of biomolecular electrostatics, diffusion, force and conformational change, applied analysis and numerical analysis of related differential equations, and scientific computing.

Visit their websites at:
http://www.math.colostate.edu/~bates/
http://www.math.colostate.edu/~renzo/
http://www.math.colostate.edu/~shipman/
http://www.math.colostate.edu/~yzhou/
FOCUSED WORKSHOP: DYNAMICAL SYSTEMS
PINGREE PARK MOUNTAIN CAMPUS
HOSTED BY DAN RUDOLPH, YATES ENDOWED CHAIR

Summer 2008 . . . A focused workshop on orbit methods in dynamical systems was hosted by Dan Rudolph at the CSU Pingree Park Mountain Campus this past June 17-20.

Professor Rudolph has worked in this area of dynamics for some time and in recent years there has been dramatic progress. He felt it time to try to draw together the core researchers involved to share their progress and map out future work.

The twenty participants came from as far away as Norway and the Ukraine with three from Canada. The United States participants came from Princeton, Wesleyan, Swarthmore, DePaul in Chicago as well as the University of Denver. Three graduate students and two postdoctoral fellows were also among the participants.

The Pingree Park Mountain Campus provides an ideal atmosphere for such groups, isolated in the high mountains. The three days provided time for a series of twelve formal lectures with ample breaks for participants to enjoy the mountains and talk. There are plans to repeat this event next year as everyone was so enthusiastic about Pingree Park and the workshop.

The workshop was funded by the Yates endowment to the Mathematics Department at Colorado State University. Interested in hosting a conference at Pingree Park Mountain Campus? For details, go to:

http://www.housing.colostate.edu/pingree/index.htm

DEPARTMENT WELCOMES NEW GRADUATE CLASS

The Department of Mathematics Graduate Committee has selected this year's new graduate class. These nine students were selected from a pool of 91 applicants:

Nicole Chartier
BS, University of Colorado

Melissa Goss
BS, Colorado State University

Justin Hughes
BS, Lycoming College

Eric Miles
BS, Mesa State College

Roberto Munoz-Alicea
MS, University of Colorado

Matthew Niemerg
BS, Eastern Illinois University

Eric Schmidt
BS, Colorado State University

Christopher Strickland
MS, University of Florida

Chuan Zhang
PhD Chinese Academy of Sciences in Biophysics