

MISSISSIPPI STATE - UAB CONFERENCES ON DIFFERENTIAL EQUATIONS AND COMPUTATIONAL SIMULATIONS

<http://www.msstate.edu/dept/math/conf.files/deconferences.html>



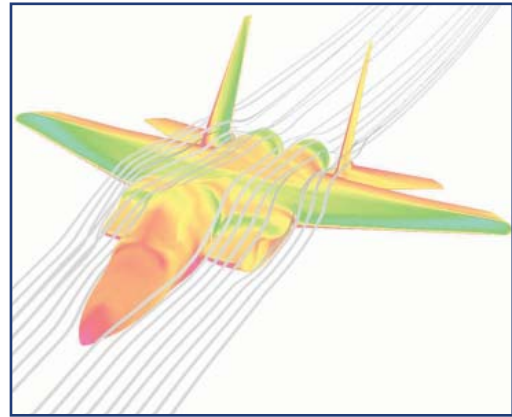
The Department of Mathematics and Statistics and the Center for Computational Sciences at Mississippi State University (MSU), and the Department of Mechanical Engineering at University of Alabama at Birmingham (UAB) have hosted seven highly successful conferences since 1993 and will host the eighth conference in 2009. Ratnasingham Shivaji (MSU) and Bharat Soni (UAB) serve as organizers for these international conferences.

The primary objective of these conferences is to provide a joint forum where mathematicians, scientists and engineers from industries, federal laboratories and academia exchange research and development ideas. An overall goal of these conferences is to promote research and education in mathematical and computational analysis of theoretical and applied differential equations. The unique feature of these conferences is the interaction between mathematicians and engineers. To date, researchers from Belgium, Brazil, Canada, China, Czechoslovakia, France, Germany, India, Indonesia, Japan, Korea, Mexico, Russia, Saudi Arabia, Spain, Thailand, United Kingdom and United States have participated in these conferences.

**THE SEVENTH MISSISSIPPI STATE-UAB CONFERENCE ON DIFFERENTIAL EQUATIONS AND COMPUTATIONAL SIMULATIONS
NOVEMBER 1-3, 2007**

The Seventh Mississippi State-UAB Conference on Differential Equations and Computational Simulations was held on November 1-3, 2007, at Doubletree Hotel, Birmingham, Alabama. There were 12 invited principal lectures presented by:

Oscar Bruno, California Institute of Technology
Chris Cosner, University of Miami
Jeff Crandall, University of Virginia
Norman Dancer, University of Sydney, Australia
Joshua Epstein, The Brookings Institution
Lisa Fauci, Tulane University
YanYan Li, Rutgers University
Jean Mawhin, University of Catholique de Louvain, Belgium
Charles Nietubicz, Army research Laboratory
Jaime Peraire, Massachusetts Institute of Technology
John Rice, IBM TJ Watson Research Center
Peter Takac, University of Rostock, Germany



A TOTAL of 95 contributed papers were presented during the three-day conference. The conference was attended by 131 researchers, including those traveling from 7 different countries.

Atlas Conferences, Electronic Journal of Differential Equations (EJDE), Institute of Mathematics and its Applications (IMA) and National Science Foundation (NSF) were the co-sponsors for this conference.

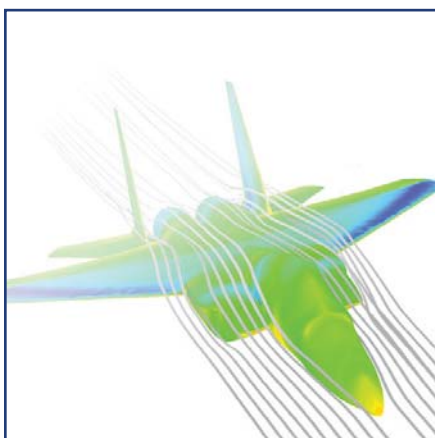
**THE SIXTH MISSISSIPPI STATE-UAB CONFERENCE ON DIFFERENTIAL EQUATIONS AND COMPUTATIONAL SIMULATIONS
MAY 13-14, 2005**

The Sixth Mississippi State-UAB Conference on Differential Equations and Computational Simulations was held on May 13-14, 2005, at Mississippi State University, Starkville, Mississippi. There were 8 invited principal lectures presented by:

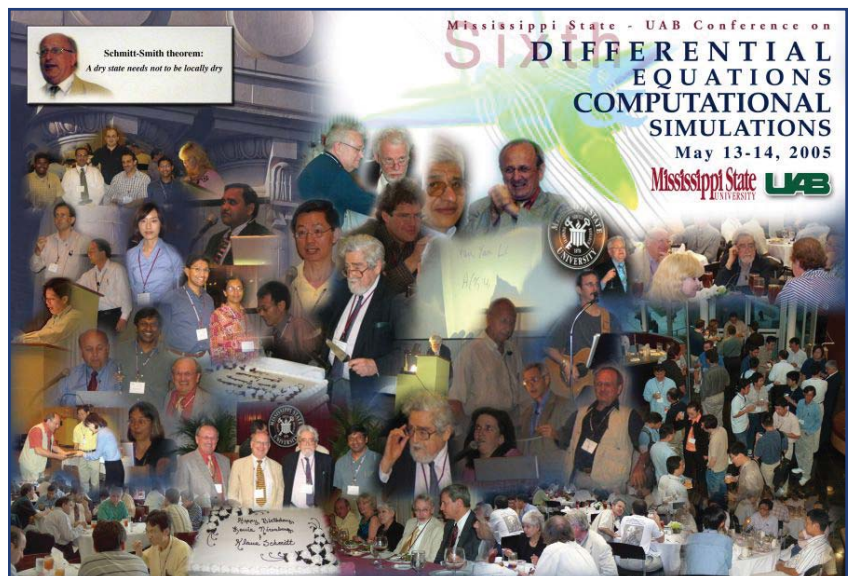
Margaret Cheney, Rensselaer Polytechnic Institute
Lawrence DeLucas, University of Alabama at Birmingham
Thomas Yizhao Hou, California Institute of Technology
Mark Lewis, University of Alberta, Canada
Fang-Hua Lin, Courant Institute of Mathematical Sciences
Robert Meakin, U. S. Army, NASA Ames Research Center
Louis Nirenberg, Courant Institute of Mathematical Sciences
Klaus Schmitt, University of Utah



A TOTAL of 90 contributed papers were presented during the two-day conference. The conference was attended by 150 researchers, including those traveling from 9 different countries. This conference was dedicated to Louis Nirenberg in celebration of his 80th birthday, Klaus Schmitt in celebration of his 65th birthday, and their contributions to mathematics. As part of this celebration special sessions were organized. Also a banquet lecture titled "Louis Nirenberg and Klaus Schmitt: The Joy of Differential Equations" was delivered by Jean Mawhin, University of Catholique de Louvain-Belgium. The conference also featured a special lecture by Dr. Mary Ann Horn on the Funding Opportunities in the Mathematical Sciences at the NSF. The post-conference proceedings were published as a special issue of Electronic Journal of Differential Equations (<http://ejde.math.txstate.edu/>) Conference 15. It contains 25 refereed papers presented at the conference.



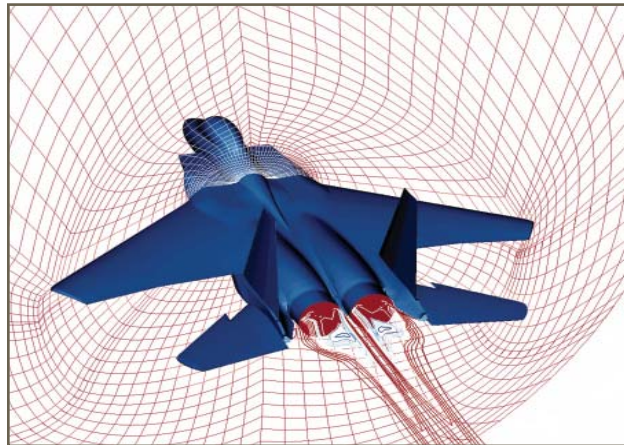
Atlas Conferences, Cypress Semiconductors, EJDE, IMA and NSF were the co-sponsors for this conference.



**THE FIFTH MISSISSIPPI STATE CONFERENCE ON DIFFERENTIAL EQUATIONS AND COMPUTATIONAL SIMULATIONS
MAY 18-19, 2001**

The Fifth Mississippi State Conference on Differential Equations and Computational Simulations was held on May 18-19, 2001, at Mississippi State University, Starkville, Mississippi. There were 10 invited principal lectures presented by:

Peter Bates, Brigham Young University
Carlos Castillo-Chavez, Cornell University
Jerome Goldstein, University of Memphis
Anthony Ingraffea, Cornell University
James Keener, University of Utah
David Keyes, Old Dominion University
Hiroshi Matano, University of Tokyo, Japan
Suresh Menon, Georgia Institute of Technology
Wei-Ming Ni, University of Minnesota
George Papanicolaou, Stanford University



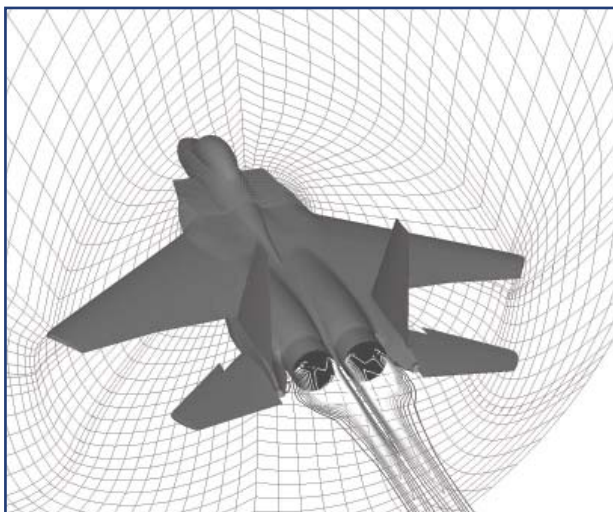
EJDE, IMA and NSF were the co-sponsors for this conference.

A TOTAL of 69 contributed papers were presented during the two-day conference. The conference was attended by 138 researchers, including those traveling from 7 different countries. The conference also featured a honoring ceremony for Professor Jack Hale, a special lecture by Dr. Henry Warchall on the Funding Opportunities in the Mathematical Sciences at the NSF, and the Banquet Lecture titled "Highway to Space" by Dr. Gary Lyles at NASA Marshall Space Flight Center. The post-conference proceedings were published as a special issue of Electronic Journal of Differential Equations (<http://ejde.math.txstate.edu/>) Conference 10. It contains 22 refereed papers presented at the conference.

**THE FOURTH MISSISSIPPI STATE CONFERENCE ON DIFFERENTIAL EQUATIONS AND COMPUTATIONAL SIMULATIONS
MAY 21-22, 1999**

The Fourth Mississippi State Conference on Differential Equations and Computational Simulations was held on May 21-22, 1999, at Mississippi State University, Starkville, Mississippi. There were 7 invited principal lectures presented by:

Lawrence C. Evans, University of California at Berkeley
Charbel Farhat, University of Colorado at Boulder
Irene Fonseca, Carnegie Mellon University
Ahmed Noor, University of Virginia
James Serrin, University of Minnesota
Paul Waltman, Emory University
Mary Wheeler, University of Texas at Austin



A TOTAL of 79 contributed papers were presented during the two-day conference. The conference was attended by more than 110 researchers. The post-conference proceedings were published as a special issue of Electronic Journal of Differential Equations (<http://ejde.math.txstate.edu/>) Conference 03. It contains 10 refereed papers presented at the conference.

EJDE and NSF were the co-sponsors for this conference.

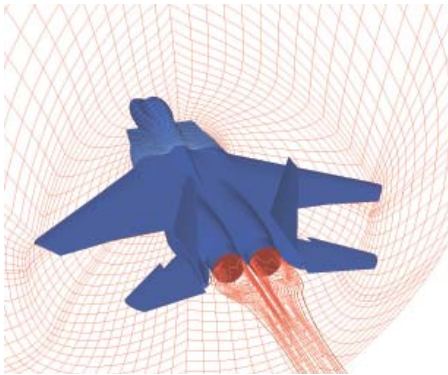
**THE THIRD MISSISSIPPI STATE CONFERENCE ON DIFFERENTIAL EQUATIONS AND COMPUTATIONAL SIMULATIONS
MAY 16-17, 1997**

The Third Mississippi State Conference on Differential Equations and Computational Simulations was held on May 16-17, 1997, at Mississippi State University, Starkville, Mississippi. There were 9 invited principal lectures presented by:

Walter Allegretto, University of Alberta, Canada
Jerry L. Bona, University of Texas
Djairo de Figueiredo, University of Campinas, Brazil
S. Godunov, Sobolev Institute of Mathematics, Russia
Antony Jameson, Princeton University
Jean Mawhin, University of Louvain, Belgium
Stanley Osher, University of California, Los Angeles
Klaus Schmitt, University of Utah
Joseph Shang, Wright Patterson Air Force Base



A TOTAL of 75 contributed papers were presented during the two-day conference. The conference was attended by more than 130 researchers, including those traveling from 9 different countries. For those at the Engineering Research Center, it was a very special experience to have had the opportunity to speak with and hear a lecture by Professor Godunov, who is considered the "grandfather" of computational fluid dynamics research. The post conference proceedings were published as a special issue of the Electronic Journal of Differential Equations (<http://ejde.math.txstate.edu/>) Conference 01. It contains 18 refereed papers presented at the conference. EJDE and NSF were the co-sponsors for this conference.

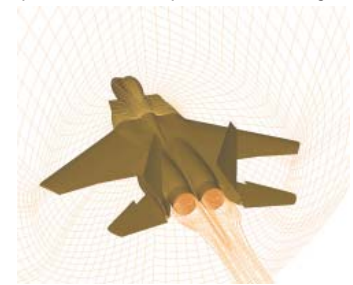


**THE SECOND MISSISSIPPI STATE CONFERENCE ON DIFFERENTIAL EQUATIONS AND COMPUTATIONAL SIMULATIONS
APRIL 7-8, 1995**

The second Mississippi State Conference on Differential Equation and Computational Simulations was held on April 7-8, 1995 at Mississippi State University, Starkville, Mississippi. There were 9 invited principal lectures presented by:

Kenneth J. Brown, Heriot-Watt University, Edinburgh, United Kingdom
Luis Caffarelli, Institute of Advanced Study, Princeton University
David Caughey, Cornell University
Jerome Eisenfeld, University of Texas, Arlington
Jack Hale, Georgia Tech
Peter D. Lax, Courant Institute of Mathematical Sciences
Robert MacCormack, Stanford University
John Mallet-Paret, Brown University
Helen Yee, NASA Ames Research Center

A TOTAL OF 79 contributed papers were presented during the two-day conference. The conference was attended by approximately 130 researchers, including those traveling from 7 different countries. The post-conference proceedings were published as a special issue of the journal of Applied Mathematics and Computation (89:1-3, 1998). It contains 23 refereed papers presented at the conference. NSF was a co-sponsor for this conference.



**THE FIRST MISSISSIPPI STATE CONFERENCE ON DIFFERENTIAL EQUATIONS AND COMPUTATIONAL SIMULATIONS
MARCH 19-20, 1993**

The first Mississippi State Conference on Differential Equation and Computational Simulations was held on March 19-20, 1993 at Mississippi State University, Starkville, Mississippi. There were 7 invited principal lectures presented by:

Ramesh Agarwall, McDonnell Douglas Research & Development
Alfonso Castro, University of North Texas
Carlos Kenig, University of Chicago
Alan Lazer, University of Miami
Paul Rabinowitz, University of Wisconsin, Madison
Phillip Roe, University of Michigan
Nigel Weatherill, University College of Swansea, United Kingdom

A TOTAL of 68 contributed papers were presented during the two-day conference. The conference was attended by approximately 115 researchers. The post-conference proceedings were published as a special issue of the journal of Applied Mathematics and Computation (65:1-3, 1994). It contains 30 refereed papers presented at the conference

