



# New Jersey Institute of Technology



## FRONTIERS IN APPLIED AND COMPUTATIONAL MATHEMATICS

May 13-15, 2005

**OVERVIEW:** Recent advances in mathematical biology, mathematical fluid dynamics, nonlinear waves & electromagnetics, applied statistics, and other areas of the mathematical sciences

### KEYNOTE, PLENARY, AND INVITED SPEAKERS (Partial List):

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|---|---|
| <b>L. Abbott</b> (Brandeis)             | <b>M. Mimura</b> (Meiji – Japan)              |
| <b>A. Bertozzi</b> (UCLA)               | <b>M. Nitsche</b> (New Mexico)                |
| <b>V. Booth</b> (Michigan)              | <b>H. Ockendon</b> (Oxford)                   |
| <b>R. Caflisch</b> (UCLA)               | <b>J. Ockendon</b> (Oxford)                   |
| <b>S. Childress</b> (Courant, NYU)      | <b>C. Pozrikidis</b> (UC – San Diego)         |
| <b>P. Cook</b> (Delaware)               | <b>J. Rinzel</b> (Neural Sciences, NYU)       |
| <b>D. Dey</b> (Connecticut)             | <b>A. Scheel</b> (IMA and Minnesota)          |
| <b>A. Friedman</b> (MBI, Ohio State)    | <b>M. Shelley</b> (Courant, NYU)              |
| <b>R. Haberman</b> (SMU)                | <b>A. Sherman</b> (NIH)                       |
| <b>S. Haberman</b> (ETS, Princeton)     | <b>K. Stebe</b> (Johns Hopkins)               |
| <b>F.C. Hoppensteadt</b> (Courant, NYU) | <b>P. Steen</b> (Cornell)                     |
| <b>A. Hosoi</b> (MIT)                   | <b>D.S. Stewart</b> (Illinois)                |
| <b>A. Kapila</b> (RPI)                  | <b>H. Stone</b> (Harvard)                     |
| <b>W. Kath</b> (Northwestern)           | <b>D.W. Sumners</b> (Florida State)           |
| <b>J.B. Keller</b> (Stanford)           | <b>J.-M. Vanden-Broeck</b> (East Anglia – UK) |
| <b>H. Levine</b> (UC – San Diego)       | <b>J. Wang</b> (Cornell)                      |
| <b>B. Matkowsky</b> (Northwestern)      | <b>W. Zhang</b> (Chicago)                     |

### PROGRAM INFORMATION:

Abstracts for contributed posters should be submitted by April 1, 2005 to [suttons@njit.edu](mailto:suttons@njit.edu). For registration and additional conference information, see:

<http://math.njit.edu/Events/FACM05>

Graduate students, postdoctoral fellows, and junior faculty are encouraged to submit posters for which some travel support is available. Partial funding for travel has been provided by a Strategic Initiative Award from NJIT and by the Department of Mathematical Sciences. Additional funding is being sought from NSF, AFOSR, and SMB.

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| <b>HOSTED BY:</b>    | <b>Department of Mathematical Sciences<br/>Center for Applied Mathematics and Statistics</b> |

**LOCAL ORGANIZERS (NJIT):** D.S. Ahluwalia M. Bhattacharjee D. Blackmore  
A. Bose G. Kriegsmann J. Luke R.M. Miura D. Papageorgiou M. Siegel