Second International Workshop on
Differential Algebra and Related Topics
April 12-13, 2007, Rutgers University at Newark
and
Special Session on Differential Algebra
Of the AMS Eastern Section Spring Meeting
April 14-15, 2007, Stevens Institute of Technology

Final Announcement

The Kolchin Seminar in Differential Algebra of The City University of New York and the Department of Mathematics at Rutgers University at Newark are pleased to jointly announce the Second International Workshop and AMS Special Session on Differential Algebra and Related Topics. The two conferences will bring together experts from different areas related to differential algebra. The purpose is to disseminate the methods and results in all areas related to differential algebra, to encourage potential collaborations, and to attract graduate students and new researchers. During the workshop, invited speakers will give expository or survey talks on their fields. The Special Session at the AMS Eastern Section Meeting for spring 2007 will bring the participants further up-to-date on the most current research through invited research reports. A poster session at the Workshop will further provide opportunities for informal discussions. Post docs and graduate students are encouraged to attend and funding is available.

Topics: Including but not limited to: Differential and difference algebra, differential Galois Theory, differential algebraic geometry, differential algebraic groups, model theory, computational differential algebra, Rota-Baxter type algebras, and applications to combinatorics, arithmetic geometry, control theory, dynamical systems, and integrability theories.

Workshop:
Date: April 12-13, 2007
Location: Rutgers University at Newark
URL: newark.rutgers.edu/~liguo/DARTII/diffalg.html
Contact: Li Guo (liguo@newark.rutgers.edu)

Thursday,   9:00 AM – 5:30 PM
9:00   Michael Singer, Differential Dependence and Differential Groups
10:15   Russell Miller, Computable Model Theory and Differential Algebra
11:30   Peter Clarkson, The Painleve Equations–Nonlinear Special Functions
2:00   Greg Reid, Introduction to Symbolic-Numeric Completion Methods for PDE
3:15   Marcelo Aguiar, Overview of Baxter Algebras
4:30   B. Heinrich Matzat, Differential Galois Theory in Positive Characteristic: An Introduction
Friday,   9:00 AM – 5:30 PM
9:00   Mark van Hoeij, Solving Second and Third Order Linear ODE's in Terms of Special Functions
10:15   Andy Magid, The Complete Picard-Vessiot Closure of the Constants
11:30   David Marker, Model Theory and Differential Algebra
2:00   Robert Grossman, Hopf Algebras of Labeled Trees and Some Associated Differential Algebra Structures
3:15   Marius van der Put, Solving Linear Differential Equations
4:30   Poster Session

AMS Special Session

Date: April 14-15, 2007
Location: Stevens Institute of Technology
URL: www.sci.ccny.cuny.edu/~ksda/ams.html
Contact: Jerry Kovacic (jkovacic@verizon.net)

Saturday, 8:00-10:50 AM and 2:30-5:20 PM

8:00 B. Heinrich Matzat	2:30 Julia Hartmann
8:30 Andy Magid	3:00 Charlotte Hardouin
9:00 Alexandru Buium	3:30 Alexey Ovchinnikov
9:30 Marius van der Put	4:00 Claude Mitschi
10:00 Anne Duval	4:30 Lucia Di Vizio
10:30 Lourdes Juan	5:00 Eugueny Pankratiev

Sunday, 8:00-10:50 AM and 2:30-5:20 PM

8:00 Primitivo Acosta-Humanez	2:30 Aleksandr Levin
8:30 Franz Winkler	3:00 Wai Yan Pong
9:00 Oleg Golubitsky	3:30 Wenyuan Wu
9:30 Arne Ledet	4:00 Dima Trushin
10:00 Yang Zhang	4:30 Jonathan Aïdan
10:30 François Ollivier	5:00 Alexandre Rambaud

Participation: Attendance at the Workshop and AMS Special Session is open to the research public. At this time, all speaker slots have been allocated. Participants intending to present a poster at the poster session may submit a title and a brief abstract to the organizers by March 31, 2007. Submissions after the deadline may not appear in the Workshop program.

Funding: Limited funding for US Workshop participants is available. Priority will be given to those from among traditionally under-represented groups including women and minorities. Requests for support should be sent to Li Guo, with estimates. All AMS participants must bear their own expenses, including AMS registration fee.

Accommodation and other information are posted at the two websites.

Organizers:

Phyllis Cassidy (CCNY and Smith College, emerita)
Richard Churchill (Hunter College and Graduate Center of CUNY)
Li Guo (Chair for Workshop, Rutgers University at Newark)
William Keigher (Rutgers University at Newark)
Jerry Kovacic (Chair for AMS Special Session, City College of CUNY)
William Sit (City College of CUNY, emeritus)