

The 8th International Workshop on Computer Algebra in Scientific Computing CASC 2005

September 12 - 16, 2005, Kalamata, Greece

Program Committee

Gerd Baumann (Cairo)
 Laurent Bernardin (Waterloo)
 Hans-Joachim Bungartz (Stuttgart)
 Andreas Dolzmann (Passau)
 Victor Edneral (Moscow)
 Ioannis Emiris (Athens)
 Jean-Charles Faugere (Paris)
 Victor Ganzha (Munich, co-chair)
 Laureano Gonzalez-Vega (Santander)
 Evgenii Grebenikov (Moscow)
 Jaime Gutierrez (Santander)
 Ilias Kotsireas (Waterloo)
 Robert Kragler (Weingarten)
 Richard Liska (Prag)
 Bernard Mourrain (Sophia Antipolis)
 Patrick O'Leary (Galway)
 Eugenio Roanes-Lozano (Madrid)
 Yosuke Sato (Tokyo)
 Werner Seiler (Heidelberg)
 Stanly Steinberg (Albuquerque)
 Nikolay Vassiliev (St. Petersburg)
 Gilles Villard (Lyon)
 Evgenii Vorozhtsov (Novosibirsk, co-chair)
 Michael N. Vrahatis (Patras)
 Andreas Weber (Bonn)

General Chairs

Vladimir Gerdt (Dubna)
 Ernst W. Mayr (Munich)

Conference Chairs

I. Z. Emiris (Athens)
 I. S. Kotsireas (Waterloo)
 M. N. Vrahatis (Patras)

Topics

- exact and approximate computation
- numerical simulation using computer algebra systems
- parallel symbolic-numeric computation
- problem-solving environment
- Internet accessible symbolic and numeric computation
- symbolic-numeric methods for differential and differential-algebraic equations
- algebraic methods in geometric modeling
- algebraic methods for nonlinear polynomial equations and inequalities
- symbolic and numerical computation in systems engineering and modeling
- algorithmic and complexity considerations in computer algebra
- computer algebra in industry
- computer algebra in nanotechnology
- solving problems in natural sciences
- aspects of computer algebra programming languages
- automated reasoning in algebra and geometry

General Organizing Committee

W. Meixner (Munich, chair)
 A. Schmidt (Munich, secretary)
 E-Mail: casc2005@in.tum.de



Important Dates

April 1 - submission of full paper
 August 15 - deadline for registration