



## *MathParCA 2013*

*Gennadi Rhodes Greece (August, 11-25)*

**International Conference**

**"Mathematical Partnership, Parallel Computing and Computer Algebra"**

*Thessaly University (Greece) and Tambov State University (Russia)*

### First Announcement

*The Conference is devoted to algorithms of Computer Algebra which are gaining importance in various applications of industry, research and education and problems of mathematical partnership.*

**Partnership** is an arrangement where parties agree to cooperate to advance their mutual interests.

**Parallel computing** is a form of computation when calculations are carried out simultaneously in supercomputer.

**Computer algebra** is a science which comprises both mathematics and computer science and provides symbolic and numerical computations.

### **Conference cochairs:**

Alkiviadis Akritas (Thessaly University) e-mail:akritas@uth.gr

Gennadi Malaschonok (Tambov University) e-mail:malaschonok@gmail.com

### **Organizing committee:**

Natalia Malaschonok (namalaschonok@gmail.com)

Oxana Pereslavl'tseva (oxana.pereslavl'tseva@gmail.com)

Mikhail Ribakov (michailribakov@gmail.com)

## Program committee:

1. Alkiviadis Akritas (Thessaly University, Volos, Greece)
2. Yuri Blinkov (Saratov University, Saratov, Russia)
3. Victor Edneral (Moscow University, Moscow, Russia)
4. Vladimir Gerdt (Joint Institute of Nuclear Research, Dubna, Russia)
5. Vladimir Korniyak (Joint Institute of Nuclear Research, Dubna, Russia)
6. Gennadi Malaschonok (Tambov University, Tambov, Russia)
7. Alexandr Myllari (St. George University, Grenada, West Indies)
8. Margarita Spiridonova (Inst. of Mathematics, Bulgarian Acad. Sci., Sofia, Bulgaria)
9. Nikolay Vassiliev (Sankt-Petersburg Branch of the Inst. of Mathematics, Russia)
10. Stephen Watt (University of Western Ontario, London, Canada)

## Topics:

### I. Computer Algebra and Parallel Computing:

- 1) Computational algorithms for polynomial and functional matrices.
- 2) Computational algorithms for polynomials and systems of polynomials
- 3) Computational algorithms for symbolic solving of ordinary and partial differential equations.
- 4) Computational algorithms for algebraic geometry.
- 5) Computational algorithms for tropical and idempotent mathematics.
- 6) Computational algorithms for noncommutative algebra.
- 7) Parallel algorithms for computer algebra.

### II. Applications of computer algebra in:

- 1) Industry,
- 2) Research,
- 3) Education.

### III. Mathematical Partnership for a subjects:

- 1) Physics
- 2) Chemistry
- 3) Biology
- 4) Medicine
- 5) Primary Mathematics
- 6) Algebra, Geometry
- 7) Mathematical analysis

## Timetable:

<b>First track.</b>	<b>Second track.</b>
<i>11-18 August (Topics I and II)</i>	<i>18-25 August (Topics II and III)</i>
Day of arrival 11.08	Day of arrival 18.08
Working days 12-17.08	Working days 19-24.08
Departure day 18.08	Departure day 25.08

Official language is English.

**The registration fee** for participants is 100 EURO and no registration fee for accompanying persons. The registration fee is to be paid upon arrival to conference.

**Full paper** (LaTeX + pdf-file) up to 20 pages and/or

**Extended abstracts** of presentations in English up to 4 pages should be submitted to organizers at the e-mail address [info@mathpar.com](mailto:info@mathpar.com) before 25 April.

The collection of abstracts and papers is going to be published before the conference in Tambov University Reports.

**Questions** may be addressed to organizers at the e-mail address: [info@mathpar.com](mailto:info@mathpar.com).

### **Important dates:**

The deadline for sending papers and/or abstracts is **April 25**.

Notification of acceptance is **May, 10**.

Deadline for final version is **May, 25**.

The deadline for registration is **June 1**.

### **Passport and Visa Requirements**

Please inform us if you need an official invitation from the Organizing Committee. The official invitation from the Organizing Committee is generally not enough to obtain the visa. You can get the visa through a tourist company or through a Greek Embassy nearest to you. Please apply for your visa in advance, keeping in mind that a waiting time may be lengthy.

## **Accommodation**

Twin and double rooms will be available for the participants during the period of the conference in the 2-stars

**Panorama Gennadi Hotel :**

[www.panoramahotel-rhodes.com/](http://www.panoramahotel-rhodes.com/)

[http://www.booking.com/hotel/gr/panoramagenadi\\_genadi.html](http://www.booking.com/hotel/gr/panoramagenadi_genadi.html)

Please inform staff in advance about your estimated time of arrival.

Contact details can be found on the booking confirmation.

If you wish you can find another hotel for you in Gennadi.

See at sites:

<http://en.wikipedia.org/wiki/Gennadi>

[http://www.rhodesguide.com/travelguide/rhodes\\_beach\\_guide.php?ssp=3&img=425](http://www.rhodesguide.com/travelguide/rhodes_beach_guide.php?ssp=3&img=425)

[http://www.tripadvisor.com/Hotel\\_Review-g1189606-d675774-Reviews-Effie\\_s\\_Dreams-Gennadi\\_Rhodes\\_Dodecanese.html](http://www.tripadvisor.com/Hotel_Review-g1189606-d675774-Reviews-Effie_s_Dreams-Gennadi_Rhodes_Dodecanese.html)