



## *MathParCA 2016*

*Greece, Loutra, Agia Paraskevi, 63085 (August, 5 - 15)*

**International Conference**

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

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

### **Second call for paper**

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.

#### **Conference cochairs:**

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

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#### **Organizing committee:**

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**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>6-9 August (Topics I and II)</i>	<i>11-14 August (Topics II and III)</i>
Day of arrival 5.08	Day of arrival 10.08
Working days 6-9.08	Working days 11-14.08
Departure day 10.08	Departure day 15.08

**The conference will be held at the studios «Rosa».**

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.

**Extended abstracts** of presentations in English up to 10 pages (of size A5) should be submitted to organizers at the e-mail address [info@mathpar.com](mailto:info@mathpar.com).

**Here is a sample article.** Please adhere to this pattern [TexExample.tex](#). If you need, you can download the style file [mathalfa.sty](#).

**For pictures use png-file:** `\includegraphics[width=100mm]{images/picture1.png}`

The collection of abstracts will be published before the conference.

### **Important dates:**

The deadline for sending papers abstracts May, 10.

Notification of acceptance May, 20.

Deadline for final version May, 28.

The deadline for registration July, 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**

We suggest to book studios «Rosa»

<http://www.booking.com/hotel/gr/studios-rosa.en-gb.html>

or you can find any hotel in Loutra, Agia Paraskevi.

About Pallene, Chalcidice see at: [https://en.wikipedia.org/wiki/Pallene,\\_Chalcidice](https://en.wikipedia.org/wiki/Pallene,_Chalcidice)

or <http://www.ice-nut.ru/greece/greece137.htm> (Russian)

**To register**, please send a completed registration form

<http://parca.tsutmb.ru/registrationform.html>

at: [info@mathpar.com](mailto:info@mathpar.com)

Additional information about the **MathParCA conferences** can be found on the website

<http://parca.tsutmb.ru/>