

EACA 2012

XIII ENCUENTRO DE ÁLGEBRA COMPUTACIONAL Y APLICACIONES

(XIII Meeting on Computer Algebra and Applications)

Colegio de San Ildefonso (Rectorado), University of Alcalá de Henares,

Alcalá de Henares, Madrid (Spain)

June 13th - June 15th, 2012

<http://www2.uah.es/eaca2012/>

FIRST CALL FOR PAPERS

The series of Meetings on Computer Algebra and Applications (EACA) are primarily addressed to provide a meeting frame for researchers in the fields of Computer Algebra and Symbolic Computation and for those who use these techniques as essential techniques in their research.

EACA 2012 is a meeting hosted by the research network [RedEACA](#): Red Temática de Cálculo Simbólico, Álgebra Computacional y Aplicaciones.

This time the Meeting will take place in the Colegio de San Ildefonso (Rectorado) of the University of Alcalá de Henares, Plaza de San Diego s/n, Alcalá de Henares (Madrid) from June 13th to 15th, 2012, including the following Invited Plenary Speakers:

- Alicia Dickenstein, Universidad de Buenos Aires, Argentina.
- José Gómez Torrecillas, Universidad de Granada, Spain.
- María Isabel González Vasco, Universidad Rey Juan Carlos, Spain.
- Willem A. de Graaf, Universidad de Trento, Italy.
- Pedro Real Jurado, Universidad de Sevilla, Spain.
- Franz Winkler, RISC-Linz, Johannes Kepler Universität, Austria.

Information and web page

Information about the conference will be updated on the web page of EACA 2012. The address is <http://www2.uah.es/eaca2012>

Topics

- Effective Methods in Algebra, Analysis, Geometry and Topology.
- Algorithmic Complexity.
- Scientific Computation by means of Symbolic-Numerical Methods.
- Symbolic-Numeric Software development.
- Analysis, specification, design and implementation of symbolic computation systems.
- Applications to Science and Technology

Important Dates

- Deadline for submissions: February 3, 2012.
- Notification of acceptance: March 28, 2012.
- Conference: June 13-15, 2012.

Call for Participation:

The participation, through presentations, is open to all researchers interested in the topics of the Meeting. The papers should present a recent research work.

This is a Spanish Congress that usually includes a selected group of foreign colleagues. Accordingly, the working language is Spanish, but presentations in English are also common. In any case, we encourage participants to use English in the writing presentation documents to facilitate the communication among the participants.

The authors must send an abstract with no more than 4 pages, before February 3th, 2012, following the instructions that appear in the web page <http://www2.uah.es/eaca2012/submission.html>

After the corresponding review by the Scientific Committee, two types of contributions will be accepted: those related to standard mathematical results on the topics of the Congress and, also, those related to the more experimental aspects of mathematics (new implementations of known algorithms, experimental study of efficiency of algorithms or programming environments, computer-aided found conjectures, etc.).

Authors will receive notification on the acceptance/rejection of their communication as well as on the possible changes requested by the Scientific Committee, before the 28th of March, 2012. Moreover, a final version of the accepted abstracts will be requested for inclusion in the Proceedings, that will be distributed at the meeting as internal working document. Accepted papers must be presented by an author during a time of 20 minutes plus 5 minutes for discussion.

Registration/Financial support to attend the Congress:

As usual, a number of financial aids, provided by the “Real Sociedad Matemática Española”, to partially cover the participation of students to the conference, is being considered. Registration forms and financial support applications will be soon activated in the EACA 2012 website.

Scientific Committee :

- María Emilia Alonso (Universidad Complutense)
- Isabel Bermejo (Universidad de La Laguna)
- José Luis Bueso (Universidad de Granada)
- Francisco J. Castro-Jiménez (Universidad de Sevilla)
- Joan Elías (Universidad de Barcelona)
- Philippe Giménez (Universidad de Valladolid)
- José Gómez Torrecillas (Universidad de Granada)

- Laureano González Vega (Universidad de Cantabria)
- Manuel Ladra González (Universidad de Santiago de Compostela)
- Antonio Montes (Universidad Politécnica de Cataluña)
- Tomás Recio (Universidad de Cantabria)
- Julio Rubio (Universidad de La Rioja)
- J. Rafael Sendra (Universidad de Alcalá)

Local Organizers:

- Juan Gerardo Alcázar, Universidad de Alcalá.
- Sonia Luisa Rueda, Universidad Politécnica de Madrid.
- Sonia Pérez-Díaz, Universidad de Alcalá.
- Juana Sendra Pons, Universidad Politécnica de Madrid.
- Juan Rafael Sendra, Universidad de Alcalá.
- Carlos Villarino, Universidad de Alcalá (Chairman).