

VII MACI 2019

VII CONGRESS ON INDUSTRIAL, COMPUTATIONAL AND APPLIED MATHEMATICS

May 8 – 10, 2019. Río Cuarto, Argentina.

"Commemoration of the 10th anniversary of ASAMACI"

First Announcement

The VII Congress on Industrial, Computational and Applied Mathematics (VII MACI 2019) will be held from 8 till 10 May in Río Cuarto, Córdoba, Argentina. This edition is dedicated to the Argentine Association on Industrial, Computational and Applied Mathematics at the tenth anniversary of its creation (October 31, 2008 – October 31, 2018).

AIMS

- Contribute to the development of novel methods and original mathematical techniques to solve critical problems motivated by scientific, technological, industrial, engineering, economic and social problems, among others.
- Provide the adequate space to exchange knowledge and ideas among the scientists, technologists, engineers, etc, who use and develop mathematical methods and/or techniques.
- Promote the development of human resources in all MACI areas, by attracting the interest of fellow mathematicians, professionals, doctoral students and young researchers.
- Disseminate the role of Applied Mathematics and its relevance as an independent field of knowledge (advance undergraduate students, industries and enterprises, among others).

PRIMARY AUDIENCE

Researchers, professionals, undergraduate and graduate students of Mathematics, Physics, Chemistry, Biology, Economics, Finance and Engineering among other related areas, interested in the development of mathematical methods and models motivated by problems motivated in the above mentioned fields.

CONFERENCE ORGANIZERS

- ASAMACI: Asociación Argentina de Matemática Aplicada, Computacional e Industrial.
- AR-SIAM: Sección Argentina de SIAM (Society for Industrial and Applied Mathematics).
- UNRC: Universidad Nacional de Río Cuarto.

KEYNOTE PRESENTATIONS (CONFIRMED)

- Ricardo Carretero González - San Diego State University, USA.
- Carlos Conca Rosende - Universidad de Chile, Chile.
- Lorenzo Fusi - Università degli Studi di Firenze, Italy.
- Fabio Rosso - Università degli Studi di Firenze, Italy.

CONFERENCE TOPICS

1. Matrix Analysis and Applications
2. Biomathematics.
3. Data Science and Machine Learning
4. High-Performance Computing.
5. Mathematical Economics.
6. Differential Equations and Applications.
7. Quantitative Finances.
8. Operations Research and Applications.
9. Industrial Mathematics and Applications.
10. Computational Mechanics.
11. Numerical Methods: Algorithms and Applications.
12. Probabilistic and Statistical Methods.
13. Interdisciplinary Mathematical Models.
14. Optimization Theory and Applications.
15. Free Boundary Problems and Applications.
16. Inverse Problems and Applications.
17. Mathematical Problems in Continuum Mechanics.
18. Signal and Image Processing.
19. Dynamical Systems.
20. Optimal Control Theory and Applications.
21. Computer vision.
22. Undergraduate Student Posters.
23. Graduate Student Posters.

SCIENTIFIC COMMITTEE

- Pablo Jacovkis (UNTREF-UBA, Arg).
- Pablo A. Lotito (PLADEMA-UNCPBA, Arg).
- Cristina Maciel (UNS, Arg).
- Pablo Rodriguez (ICMC-USP, Br).
- Horacio G. Rotstein (NJIT, EEUU).
- Diana Rubio (UNSAM, Arg).
- Rubén D. Spies (IMAL CONICET-UNL, Arg).
- Domingo A. Tarzia (CONICET-UA, Arg).
- Sergio Preidikman (CONICET, UNC, Arg)

ORGANIZING COMMITTEE

Coordinators:

- Ceballos, Luis R. (FI-UNRC, Arg)
- Gariboldi, Claudia (FCEFQyN-UNRC, Arg)
- Roccia, Bruno (FI-UNRC / IDIT-CONICET, Arg)

Collaborators:

- Alturria, Carmina (FCEFQyN-UNRC, Arg)
- Barros, Julio (FCEFQyN-FI-UNRC, Arg)
- Blengino, Jorge (FCEFQyN-UNRC, Arg)
- Bollo, Carolina (FCEFQyN-UNRC, Arg)
- Bossio, Jose (FI-UNRC, Arg)
- Buri, Leopoldo (FCEFQyN-UNRC, Arg)
- Carbonari, Giulia (FCEFQyN-UNRC, Arg)
- Degiovanni, Renzo (FCEFQyN-UNRC, Arg)
- Demaria, Stefania (FCEFQyN-UNRC, Arg)
- Ferrero, Susana (FCEFQyN-UNRC, Arg)
- Ferreyra, David (FCEFQyN-UNRC, Arg)
- Fontana, Juan (FI-UNRC, Arg)
- Giubergia, Graciela (FCEFQyN-UNRC, Arg)
- Levis, Fabian (FCEFQyN-UNRC, Arg)
- Maero, Andrea (FCEFQyN-UNRC, Arg)
- Maldonado, Juliana (FCEFQyN-UNRC, Arg)
- Mazzone, Fernando (FCEFQyN-UNRC, Arg)
- O'Brien, Ronald (FI-UNRC, Arg)
- Priori, Albina (FCEFQyN-UNRC, Arg)
- Rodriguez, Claudia (FCEFQyN-UNRC, Arg)
- Ruiz, Marcelo (FCEFQyN-UNRC, Arg)
- Tardivo, Laura (FCEFQyN-UNRC, Arg)
- Verstraete, Marcos (FI-UNRC, Arg)

PAST EDITIONS

The MACI congresses are held every two years in May of odd years since 2007. The previous events were: I MACI 2007, Córdoba.

II MACI 2009, Rosario.

III MACI 2011, Bahía Blanca.

IV MACI 2013, Buenos Aires.

V MACI 2015, Tandil.

VI MACI 2017, Comodoro Rivadavia.

PRESENTATIONS INSTRUCTIONS

Each oral presentation (except poster presentations) is allotted a time slot of 20 minutes. These 20 minutes are subdivided as follows: 15 minutes for the presentation (including the conclusion) and 5 minutes for questions. The accepted contributions will be published in volume 7 of the Journal of Industrial, Computational and Applied Mathematics (MACI ISSN: 2314-3282). At least one of the authors of the paper should be registered at the congress.

POSTERS INSTRUCTIONS

The authors of accepted posters will have a space for their presentation and will participate in a contest. The requirements stipulated in the regulations must be met, otherwise they will be disqualified by the Local Organizing Committee.

COURSES (CONFIRMED)

Elvio Pilotta - Universidad Nacional de Córdoba, Argentina.

Takéo Takahashi - Institut Elie Cartan de Lorraine, France.

Néstor Thome Coppo - Universitat Politècnica de Valencia, Spain.

IMPORTANT DATES

- October 12, 2018: Start of online article submission.
- December 10, 2018: Deadline for article submissions.
- February 18, 2019: Authors are notified regarding the acceptance of their contribution.
- March 11, 2019: Deadline for requesting financial assistance.
- March 29, 2019: Deadline for early registration.
- May 8-10, 2019: VII MACI 2019 conference.

FINANCIAL ASSISTANCE

Economic assistance will be granted to:

1. **Undergraduate students:** Priority will be given to those who present works or posters and who belong to institutions affiliated with ASAMACI.
2. **Researchers:** Mandatory requirements are
 - a. to be member of AR-SIAM and associate of ASAMACI over the last three years prior to the congress (2017-2019).
 - b. to be author of a paper accepted for oral presentation.

ADDITIONAL INFORMATION

Web site: www.asamaci.org.ar

E-mail: maci2019riocuarto@gmail.com