

VIII MACI 2021 VIII CONGRESS ON INDUSTRIAL, COMPUTATIONAL AND APPLIED MATHEMATICS



May 3 – 7, 2021. La Plata, Argentina.

First Announcement

The VIII Congress on Industrial, Computational and Applied Mathematics (VIII MACI 2021) will be held from May 3 to May 7, 2021. This edition, headquartered in the city of La Plata, Buenos Aires, Argentina, is dedicated to celebrate the seventieth birthday of Domingo Tarzia. Due to the current measures regarding the prevention of the spread of Covid-19 and the uncertainty of the situation at the time of the congress, it will be held virtually.

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 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 by attracting the interest of fellow mathematicians, professionals, PhD students and young researchers to Applied Mathematics and highlighting its great importance through numerous specific applications.
- Disseminate the role of Applied Mathematics and its relevance as an independent field of research among students from different fields including Mathematics, Computer Sciences, Physics, Economics, Biology, Chemistry and Engineering in order to contribute to the transfer of mathematical knowledge to other sectors including industries and enterprises.

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 other fields of research and some general applications of Mathematics.

CONFERENCE ORGANIZERS

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

PLENARY SPEAKERS (CONFIRMED)

- Claudia Sagastizábal, Unicamp, Brazil.
- Mikhail Solodov, IMPA Instituto de Matemática Pura y Aplicada, Brazil.
- Inés Armendáriz, Universidad de Buenos Aires, Argentina.
- Claudia Pons, Universidad Abierta Interamericana and UNLP, Argentina.

CONFERENCE TOPICS

- 1. Matrix Analysis.
- 2. Numerical Analysis.
- 3. High-Performance Computing.
- 4. Optimal Control Theory.
- 5. Differential Equations.
- 6. Differential Geometry.
- 7. Operations Research.
- 8. Optimization.
- 9. Probability and Statistics.
- 10. Free Boundary Problems.
- 11. Inverse Problems.
- 12. Dynamical Systems.
- 13. Biomathematics.
- 14. Data Science and Machine Learning.
- 15. Mathematical Economics.
- 16. Quantitative Finances.
- 17. Industrial Mathematics.
- 18. Computational Mechanics.
- 19. Mathematical Problems in Continuum Mechanics.
- 20. Interdisciplinary Mathematical Models.
- 21. Signal and Image Processing.
- 22. Heat and Mass Transfer.
- 23. Computer Vision.
- 24. Mathematical contributions to Covid-19.
- 25. Student Posters.

SCIENTIFIC COMMITTEE

- Pablo Jacovkis (UNTREF-UBA, Ar).
- Pablo Lotito (PLADEMA-UNCPBA, Ar).
- Cristina Maciel (UNS, Ar).
- Diana Rubio (UNSAM, Ar).
- Claudia A. Sagastizábal (Unicamp, Br).
- Rubén D. Spies (IMAL CONICET-UNL, Ar).
- María Laura Schuverdt (UNLP, Ar)

ORGANIZING COMMITTEE

Coordinators:

- María Laura Schuverdt (UNLP, Ar)
- Raúl P. Vignau (UNLP, Ar)
- Nadia L. Kudraszow (UNLP, Ar)
- María Daniela Sánchez (UNLP, Ar)

Collaborators:

Eduardo Chiumiento (UNLP,Ar) María del Rosario Etchechoury (UNLP, Ar) M. Victoria Fasano (UNLP, Ar) Diana Kleiman (UNLP, Ar) Victoria Vampa (UNLP, Ar) Marcela Zuccalli (UNLP, Ar) Alejandra Garrido (UNLP, Ar) Noemí Gudiño (UNLP, Ar) Blas Fernández (UNLP, Ar)

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 2013, Tandil. VI MACI 2017, Comodoro Rivadavia. VII MACI 2019, Río Cuarto.

PRESENTATIONS INSTRUCTIONS

Each oral presentation (except poster presentations) is assigned 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 8 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 in the congress.

POSTERS INSTRUCTIONS

The authors of accepted posters will have a space for their virtual presentation.

COURSES (CONFIRMED)

- Marcos Raydan. NOVA University of Lisbon, Portugal.
- Sergio Preidikman. Universidad Nacional de Córdoba, Argentina.
- Paula Zabala. Universidad de Buenos Aires, Argentina.

IMPORTANT DATES

- December 9, 2020: Start of online article submission.
- □ February 12, 2021: Deadline for article submissions.
- □ April 5, 2021: Deadline to notify acceptance of works.
- □ April 19, 2021: Deadline for early registration.
- □ May 3-7, 2021: VIII MACI 2021 conference.

ADDITIONAL INFORMATION

ASAMACI web site: www.asamaci.org.ar Event web site: www.asamaci.org.ar/maci2021 E-mail: maci2021LP@gmail.com Follow us:



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