

Call for Contributions

Submission:

1. **Inform the Chairs:** with the Title of your Contribution

2. **Submission URL:**

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=INFOCOMP+2019+Special>

Please select Track Preference as **MATHNUM**

Special track

MATHNUM: Mathematical and numerical applications

Chair and Coordinator

Assoc. Prof. Dr. Zlatinka Kovacheva – University of Mining and Geology, Sofia Bulgaria and Institute of Mathematics and Informatics, Bulgarian Academy of Sciences, Sofia, Bulgaria

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along with

INFOCOMP 2019, The Ninth International Conference on Advanced Communications and Computation
July 28, 2019 to August 01, 2019 - Nice, France

<https://www.aria.org/conferences2019/INFOCOMP19.html>

Modern applied mathematics is centered about the role of the mathematical models. Computer based mathematical models are used to explain, predict, design and decide.

Mathematical models of the real problems and the accuracy of numerical solutions become more and more essential for the development of the information, communication and computing systems. The main related questions are: How to formalize the nature of the data and data processing?, How to verify and validate the model?, How to analyze and apply the results?, etc.

The main objective of this track is to explore mathematical models, numerical methods and their applications to the real problems.

Topics include, but not limited to:

- Mathematical models – design, verification, validation;
- Numerical methods;
- Fuzzy logic;
- Fuzzy cognitive maps;
- Neural networks;
- Advanced scientific computing;
- Statistical methods;
- Solving of nonlinear equations and systems of equations;
- Computer based mathematical modeling;
- Multidimensional data modeling;
- Applications based on Mathematica, Maple, Matlab, Scilab, etc.

Important Datelines

- Inform the Chair (see Contacts below): as soon as you decided to contribute

Submission: June 2, 2019

Notification: June 22 2019

Registration: July 1, 2019

Camera-ready: July 1, 2019

Contribution Types

- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.aria.org]
- Presentations: slide only [slide-deck posted on www.aria.org]
- Demos: two pages [posted on www.aria.org]

Paper Format

- See: <http://www.aria.org/format.html>
- Before submission, please check and comply with the editorial rules: <http://www.aria.org/editorialrules.html>

Publications

- Extended versions of selected papers will be published in IARIA Journals: <http://www.ariajournals.org>
- Print proceedings will be available via Curran Associates, Inc.: <http://www.proceedings.com/9769.html>
- Articles will be archived in the free access ThinkMind Digital Library: <http://www.thinkmind.org>

Paper Submission

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Registration

- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at <http://www.aria.org/registration.html>

Contacts

Chair: Zlatinka Kovacheva zkovacheva@hotmail.com

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