SCAN 2018 Post-conference Proceedings
Special Issue of Journal of Computational and Applied Mathematics

Call for Papers

Special Issue on
the 18th International Symposium on Scientific Computing, Computer Arithmetic,
and Verified Numerical Computations (SCAN 2018),

dedicated to
Professor Shin'ichi Oishi on the occasion of his 65th birthday

We are pleased to announce that the post-conference proceedings of SCAN 2018 can be published as a special issue of *Journal of Computational and Applied Mathematics*, which will be published in January 2020.

We are soliciting original research papers in the areas below (but not limited to the list):
- Theory, algorithm, and arithmetic for verified numerical computations
- Symbolic and algebraic methods
- Computer-assisted proofs
- Hardware and software support and programming tools for verified numerical computations
- Interval analysis and applications
- Treatment of uncertainty
- Constraint programming
- Verification in optimization and simulation
- Ordinary and partial differential equations
- Supercomputing and reliability
- Industrial and scientific applications of verified numerical computations
- Reliability in computer graphics

Schedule
- Submission open: **December 1st, 2018**
- Deadline for submissions: **April 1st, 2019**
- Final decisions due: **October 1st, 2019**
- Published in the journal: **January 1st, 2020**

Important Notice
- The papers should follow "Guide for Authors" at the journal homepage provided by Elsevier:
  `https://www.journals.elsevier.com/journal-of-computational-and-applied-mathematics/`
- Only talks presented in SCAN 2018 will be accepted for the review process.
- Page limits are **10 pages** for contributed talks and **15 pages** for invited talks and special session talks.
- When starting to submit your papers at the journal homepage, choose "**SI: Special Issue on SCAN 2018**" for selecting an article type at the first step. Note that you can choose it between **December 1st, 2018** and **April 1st, 2019**.

Guest Editors
- Mitsuhiro T. Nakao (Waseda University / Kyushu University)
- Takeshi Ogita (Tokyo Woman's Christian University)
- Siegfried M. Rump (Hamburg University of Technology / Waseda University)

Contact
- Takeshi Ogita (ogita*lab.twcu.ac.jp), please replace * by @.

Journal CAM
homepage