



CALL FOR PAPERS – SAC 2020

The 35th ACM Symposium on Applied Computing

March 30 – April 3, 2020, Brno, Czech Republic

<http://www.sigapp.org/sac/sac2020/>

SAC 2020:

For the past thirty-four years, the ACM Symposium on Applied Computing (SAC) has been a primary gathering forum for applied computer scientists, computer engineers, software engineers, and application developers from around the world. SAC 2020 is sponsored by the ACM Special Interest Group on Applied Computing (SIGAPP).

Papers:

Authors are invited to submit original papers in all areas of experimental computing and application development for the technical program via the various tracks hosted by SAC 2020. The complete list of the technical tracks can be found on SAC 2020 Website. Submissions should fall into the following categories:

- Original and unpublished research work
- Reports of innovative computing applications in sciences, engineering, and business areas
- Reports of successful technology transfer to new problem domains
- Reports of industrial experience and demos of new innovative systems

Peer groups with expertise in the tracks focus areas will blindly review submissions. Accepted papers will be published in the symposium proceedings and ACM digital library. Submission guidelines can be found on SAC 2020 Website. Prospective papers should be submitted to the track using the START submission system. Submission of the same paper to multiple tracks is not allowed. For more information please visit SAC 2020 Website.

Tutorials:

The Tutorials Program is an integral part of SAC 2020. The organizing committee solicits tutorials that tend to stress state-of-the-art technologies directly applied to the practitioners' field. Presenters are invited to submit proposals for tutorials in all areas of experimental computing and application development. Tutorial's duration is either full day or half day. The tutorial proposal should include a brief summary and outline specific goals and objectives, expected background of the audience, and a biographical sketch of the presenter(s). All tutorial proposals should be directed to the Tutorial Chair. Tutorial submission guidelines will be posted on SAC 2020 Website.

Potential Tracks:

Applications of Evolutionary Computing; Bioinformatics and Computational Biology; Business Process Management & Modeling; Cloud Computing; Code Analysis and Software Mining; Computer Security; Cyber-Physical Systems; Data Mining; Data Streams; Database and Big Data Management;

Embedded Systems; Geographical Information Analytics; Information Access and Retrieval; Intelligent Robotics and Multi-Agent Systems; Internet of Things; Knowledge and Language Proficiency; Knowledge Discovery; Knowledge Representation and Reasoning; Machine Learning; Mobile Computing and Applications; Computer Networking; Operating Systems; Privacy by Design in Practice; Programming Languages; Recommender Systems; Requirements Engineering; Semantic Web and Applications; Social Network and Media Analysis; Software Architecture; Software Engineering; Software Platforms; Software Verification and Testing; Software-intensive Systems-of-Systems; Sustainability of Fog/Edge Computing; Video Processing for Human Behavioral Analysis; Wireless Communications and Networking; and Web Technologies.

Sample Post-Conference Journal Publications

Extended papers of SAC publications are typically published in selected SCI-indexed journals, including the following:

- Journal of Computer Languages, Systems and Structures, 2013, Elsevier.
- Journal of Science of Computer Programming, 2013, Elsevier.
- Journal of Innovations in Systems and Software Engineering (ISSE), 2013, Springer.
- Journal of Science of Computer Programming, Vol. 78, No. 91, 2013, Elsevier.
- Journal of Science of Computer Programming, Vol. 77, No. 9, 2012, Elsevier.
- Journal of Science of Computer Programming, Vol. 75, No. 11, 2010, Elsevier.
- Journal of Intelligent Data Analysis, Vol. 13, No. 3, 2009, IOS Press.
- Journal of Computer Security (IOS), Vol. 17, No.3, 2009, IOS Press.
- Journal of Visual Languages and Computing, Vol. 19, No. 1, 2008, Elsevier.
- Journal of New Generation Computing, Vol. 25, No. 1, 2007, Springer.
- Journal of Computer Security (IOS), Vol. 13, No.5, 2005, IOS Press.
- Journal of Concurrency and Computation: Practice and Experience, Vol. 16, No.1, 2004, Wiley.
- Science of Computer Programming
- Software Practice & Experience
- Journal of Web Engineering (JWE)
- Software Quality Journal (SQJ), Vol. 16, No. 3, September 2008.
- Journal of Information and Software Technology (JIST), Vol. 53, No. 4, April 2011.