



# Technical Papers

ICSE 2020

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## Call for Papers

ICSE is the premier forum for presenting and discussing the most recent and significant technical research contributions in the field of Software Engineering. We invite high quality submissions of technical research papers describing original and unpublished results of software engineering research. We welcome submissions addressing topics across the full spectrum of Software Engineering including but not limited to:

Agile software development	Program analysis
AI and software engineering	Program comprehension
Apps and app store analysis	Program repair
Autonomic and (self-)adaptive systems	Program synthesis
Cloud computing	Programming languages
Component-based software engineering	Recommendation systems
Configuration management and deployment	Refactoring
Crowd sourced software engineering	Requirements engineering
Cyber physical systems	Reverse engineering
Debugging	Search-based software engineering
Dependability, safety, and reliability	Security, privacy, and trust
Distributed and collaborative software engineering	Software architecture
Embedded software	Software economics and metrics
Empirical software engineering	Software evolution and maintenance
End-user software engineering	Software modeling and design
Fault localization	Software process
Formal methods	Software product lines
Green and sustainable technologies	Software reuse
Human and social aspects of software engineering	Software services
Human-computer interaction	Software testing
Middleware, frameworks, and APIs	Software visualization
Mining software engineering repositories	Specification and modeling languages
Mobile applications	Tools and environments
Model-driven engineering	Traceability
Parallel, distributed, and concurrent systems	Validation and verification
Performance	

## Review Criteria

Each paper submitted to the Technical Track will be evaluated based on the following criteria:

- **Soundness:** The extent to which the paper's contributions are supported by rigorous application of appropriate research methods

- **Significance:** The extent to which the paper's contributions are important with respect to open software engineering challenges
- **Novelty:** The extent to which the contribution is sufficiently original and is clearly explained with respect to the state-of-the-art
- **Verifiability:** The extent to which the paper includes sufficient information to support independent verification or replication of the paper's claimed contributions
- **Presentation:** The extent to which the paper's quality of writing meets the high standards of ICSE, including clear descriptions and explanations, adequate use of the English language, absence of major ambiguity, clearly readable figures and tables, and adherence to the formatting instructions provided below

Reviewers will carefully consider all of these criteria during the review process, and as a result, high-quality papers may vary considerably in their type of contribution. For example, one paper could provide an extensive replication of prior work while another could describe a highly novel approach supported by non-trivial experimentation or empirical analysis.

## How to Submit

- All submissions must conform to the ICSE 2020 formatting and submission instructions and must not exceed 10 pages for the main text, inclusive of all figures, tables, appendices, etc. Two more pages containing only references are permitted. All submissions must be in PDF. The page limit is strict, and it will not be possible to purchase additional pages at any point in the process (including after the paper is accepted).
- Formatting instructions are available at <https://www.acm.org/publications/proceedings-template> (<https://www.acm.org/publications/proceedings-template>) for both LaTeX and Word users. LaTeX users must use the provided `acmart.cls` and `ACM-Reference-Format.bst` *without modification*, enable the conference format in the preamble of the document (i.e., `\documentclass[sigconf,review]{acmart}`), and use the ACM reference format for the bibliography (i.e., `\bibliographystyle{ACM-Reference-Format}`). The review option adds line numbers, thereby allowing referees to refer to specific lines in their comments.
- By submitting to the ICSE Research Track, authors acknowledge that they are aware of and agree to be bound by the ACM Policy and Procedures on Plagiarism (<https://www.acm.org/publications/policies/plagiarism>) and the IEEE Plagiarism FAQ (<https://www.ieee.org/publications/rights/plagiarism/plagiarism-faq.html>). In particular, papers submitted to ICSE 2020 must not have been published elsewhere and must not be under review or submitted for review elsewhere whilst under consideration for ICSE 2020. Contravention of this concurrent submission policy will be deemed a serious breach of scientific ethics, and appropriate action will be taken in all such cases. To check for double submission and plagiarism issues, the chairs reserve the right to (1) share the list of submissions with the PC Chairs of other conferences with overlapping review periods and (2) use external plagiarism detection software, under contract to the ACM or IEEE, to detect violations of these policies.
- Lastly, the ICSE 2020 Technical Track will employ a double-blind review process. Thus, no submission may reveal its authors' identities. The authors must make every effort to honor the double-blind review process. In particular, the authors' names must be omitted from the submission and references to their prior work should be in the third person. Further advice, guidance, and explanation about the double-blind review process can be found in the Q&A page (<https://conf.researchr.org/track/icse-2020/icse-2020-papers#Submitting-to-ICSE-Q-A>).

Submissions to the Technical Track that meet the above requirements can be made via the Technical Track submission site (<https://icse2020.hotcrp.com>) by the submission deadline. We encourage the authors to upload their paper info early (and can submit the PDF later) to properly enter conflicts for double-blind reviewing.




Any submission that does not comply with these requirements may be desk rejected by the Technical Track PC Chairs without further review.

## Conference Attendance Expectation

If a submission is accepted, at least one author of the paper is required to register for and attend the full 3-day technical conference and present the paper in person.

Important Dates	🌐🕒 AoE (UTC-12h)
Mon 6 - Sat 11 Jul 2020 Paper presentation sessions at ICSE	
Fri 7 Feb 2020 Camera ready	
Mon 9 Dec 2019 Notification	
Fri 8 Nov - Wed 13 Nov 2019 Author response period	
Fri 23 Aug 2019 Full paper submission	

Submission Link
<a href="https://icse2020.hotcrp.com">https://icse2020.hotcrp.com</a> ( <a href="https://icse2020.hotcrp.com">https://icse2020.hotcrp.com</a> )

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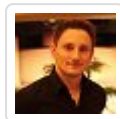


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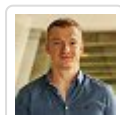


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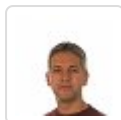
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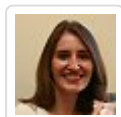
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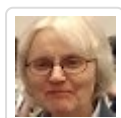
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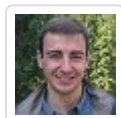
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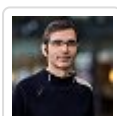
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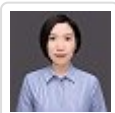


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