

Research Papers

Call for Research Papers

We invite high-quality submissions describing original and unpublished results of theoretical, empirical, conceptual, and experimental software engineering research. Contributions should describe innovative and significant original research. Papers describing groundbreaking approaches to emerging problems will also be considered. Submissions that facilitate reproducibility by using available data sets or making the described tools publicly available are especially encouraged.

Papers submitted to ESEC/FSE for consideration should not have been already published elsewhere and should not be under review or submitted for review elsewhere during the reviewing period. Specifically, authors are required to adhere to the [ACM Policy and Procedures on Plagiarism](#) and the [ACM Policy on Prior Publication and Simultaneous Submissions](#).

Topics of Interest

We are interested in submissions from both industry and academia on all topics related to software engineering. These include, but are not limited to:

1. Architecture and design
2. Autonomic computing and (self-)adaptive systems
3. Big data and cloud computing
4. Components, services, and middleware
5. Computer-supported cooperative work
6. Configuration management and deployment
7. Crowdsourcing
8. Data-driven software engineering
9. Debugging
10. Dependability, safety, and reliability
11. Development tools and environments
12. Distributed, parallel, and concurrent software
13. Education
14. Embedded and real-time software
15. Empirical software engineering
16. End-user software engineering
17. Formal methods, including languages, methods, and tools
18. Green computing
19. Human and social factors in software engineering
20. Human-computer interaction
21. Mobile, ubiquitous, and pervasive software
22. Model-driven software engineering
23. Patterns and frameworks
24. Processes and workflows
25. Program analysis
26. Program comprehension and visualization
27. Program synthesis
28. Refactoring
29. Requirements engineering
30. Reverse engineering
31. Safety-critical systems
32. Scientific computing
33. Search-based software engineering
34. Security and privacy
35. Software economics and metrics
36. Software evolution and maintenance
37. Software modularity and reuse
38. Software product lines
39. Testing and verification
40. Traceability

How to Submit

At the time of submission all papers must conform to the [ESEC/FSE 2019 Format and Submission Guidelines](#), and must not exceed 10 pages for all text and figures plus 2 pages for references (abstract: 250 words max). All submissions must be in English and in PDF format. You can submit, optionally, an additional file containing supplementary material (see details below). Submissions that do not comply with the above instructions will be desk rejected without review.

Papers must be submitted electronically through the ESEC/FSE submission site: <https://easychair.org/conferences/?conf=esecfse19>.

Each submission will be reviewed by three members of the program committee. Authors will have an opportunity to respond to reviews during a rebuttal period. Submissions will be evaluated on the basis of originality, importance of contribution, soundness, evaluation, quality of presentation and appropriate comparison to related work. The program committee as a whole will make final decisions about which submissions to accept for presentation at the conference.

ESEC/FSE 2019 will employ a double-blind review process. The papers submitted must not reveal the authors' identities in any way:

- Authors should leave out author names and affiliations from the body of their submission.
- Authors should ensure that any citation to related work by themselves is written in third person, that is, "the prior work of XYZ" as opposed to "our prior work".
- Authors should avoid providing URLs to author-revealing sites (tools, data sets). The paper can mention the existence of such sites, but the visit of such sites should not be needed to conduct the review. You can submit a link to a Web site or repository containing supplementary material (raw data, data sets, experiments, etc.), which should also be blinded. The program committee will not necessarily consider it in the paper review process.
- Authors should anonymize author-revealing company names, yet can provide general characteristics of the organizations involved needed to understand the context of the paper.

The paper anonymity will be maintained also during the reviewers' discussion period and the authors' rebuttal period. Authors must therefore maintain the anonymity in their responses, during the rebuttal phase, and provide no additional information that would otherwise be author-revealing.

To prevent double submissions, the chairs will compare the submissions with the conferences that have overlapping review period, including ISSTA, ASE and OOPSLA. The double submission restriction applies only to refereed journals and conferences, not to unrefereed forums (e.g. [arXiv.org](https://arxiv.org))

Authors having further questions on double blind reviewing are encouraged to contact the program chairs by email. Papers that do not comply to the double blind review process will be desk-rejected.

All publications are subject to the ACM Author Representations policy.

Important Dates

All dates are 23:59:59 AoE (UTC-12h).

- Full paper submission: 20 February 2019
- Rebuttal period: 26-29 April 2019
- Notification: 27 May 2019
- Camera ready: 01 July 2019

Conference: 26-30 August 2019

Open Science Policy

The research track of ESEC/FSE 2019 has decided to introduce an open science policy. Openness in science is key to fostering scientific progress via transparency, reproducibility, and replicability. The steering principle is that all research results should be accessible to the public, if possible, and that empirical studies should be reproducible. In particular, we actively support the adoption of open data and open source principles and encourage all contributing authors to disclose (anonymized and curated) data to increase reproducibility and replicability.

Upon submission to the research track, authors are asked to make their data available to the program committee (via a link to a private or public repository) or to comment on why this is not possible or desirable. While sharing such a repository is not mandatory for submission or acceptance, this information will be passed to the program committee to inform its decision. Furthermore, authors are asked to indicate whether they intend to make their data publicly available upon acceptance. For more details on ESEC/FSE'19 open science policy, please refer to the [official guidelines](#).