

## Important Dates

### Research Papers

Abstract Submission: **Jan 20, 2020**

Paper Submission: **Jan 24, 2020**

### Industry Papers

Paper Submission: **Feb 9, 2020**

### Programming Education Papers

Abstract Submission: **Feb 7, 2020**

Paper Submission: **Feb 14, 2020**

### Early Research Achievements Papers

Abstract Submission: **Feb 7, 2020**

Submission: **Feb 14, 2020**

### Tool Demonstration Papers

Abstract Submission: **Feb 3, 2020**

Submission: **Feb 10, 2020**

Authors will be notified on **Mar 2, 2020**

## Organization

### General Chair

Eunjong Choi, Kyoto Institute of Technology, Japan

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Yann-Gaël Guéhéneuc, Concordia University and

Polytechnique Montréal, Canada

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### Early Research Achievement Track Co-Chairs

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The **International Conference on Program Comprehension (ICPC)** is the premier venue for work in the area of program comprehension. It encompasses both human activities for comprehending the software and technologies for supporting such comprehension. ICPC 2020 promises to provide a quality forum for researchers and practitioners from academia, industry, and government to present and to discuss state-of-the-art results and best practices in the field of program comprehension.

ICPC 2020 invites submissions for **Research, Industry, Programming Education, Early Research Achievements, and Tool Demonstration** papers.

The submissions must conform to the [ACM Master Article Template](#). Topics for contributions include but are not limited to:

- tool support for program comprehension;
- novel visualization techniques and interfaces to support program comprehension, including searching, browsing and analyzing;
- novel text summarization techniques and interfaces to support program comprehension, including searching, browsing and analyzing;
- cognitive theories for program comprehension, including experiments, empirical studies, and case studies;
- individual, collaborative, distributed, and global program comprehension;
- comprehension of specific types of software systems, such as open/closed source, mobile applications, spreadsheets, web-based systems, legacy systems, product lines, libraries, multi-threaded applications, and systems of systems;
- comprehension in the context of diverse software process models and specific lifecycle activities, such as: maintenance, evolution, reengineering, migration, security, auditing, and testing;
- comprehension of software artifacts ranging from requirements documents to test cases and crash logs; from API documentation to models, meta-models and model transformation; and from Stack Overflow questions & answers to GitHub code review messages - all artifacts software developer encounters when creating or evolving software;
- empirical evaluations of program comprehension tools, techniques, and approaches;
- human aspects in program comprehension;
- comprehension and legal issues, such as due diligence, intellectual property, reverse engineering, and litigation;
- issues and case studies in the transfer of program comprehension technology to industry.

All submissions are rigorously reviewed and evaluated based on originality, technical quality, relevance to software engineering, and additional criteria of the respective tracks. Upon the registration of at least one author, all accepted papers will be published in the conference electronic proceedings, which will also be available in the ACM Digital Library.

All submissions should provide unpublished and original work that has not been previously accepted for publication nor concurrently submitted for review in another workshop, conference, journal or book. For accepted papers, at least one author of each submission must register and present the work at the conference; otherwise, the paper will be excluded from both the program and the proceedings.



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