The 2019 International Conference on Software and Systems Process (ICSSP 2019) will be held May 25-26, 2019, in Montreal, Canada, co-located with ICSE.

Theme: Hybrid and Evolving Processes for Software and Systems

Abstracts due 25 January 2019; full papers due 1 February 2019

SCOPE

Software engineering continuously reinvents the way software and software intensive systems are built. Just in February 2018, Bombardier and Siemens announced significant investments in optimizing their product development processes. Tesla is trying to revolutionize the automotive market by implementing continuous delivery in safety critical systems. Appreciation of the implications of blockchain technology for software and systems processes is starting to grow. In this evolving landscape, many companies are making efforts to move towards new technologies, tools, agile principles, and continuous integration and delivery. In doing so, they find opportunity, flexibility, and strength in evolving toward hybrid processes, which are neither purely traditional nor can count as text-book agile.

ICSSP 2019 will provide a special platform for research focusing on hybrid processes for software and systems development as well as the factors driving their evolution. As a community, we ask: What will the next generation of process paradigms look like? How will they emerge from current paradigms? How will the concerns of business and system stakeholders drive and reflect the development and evolution of processes in coming years? What can our experience of change teach us?

To help answer such questions, ICSSP 2019 is seeking contributions on research, practice, and compelling new ideas pertaining, but not limited, to the following topics:
* Origins and evolution of hybrid processes
* Specification, implementation, and operation of hybrid processes
* Hybrid processes in systems engineering
* Measurement for hybrid and evolving processes
* Empirical studies and experience reports on agile or hybrid processes
* Factors affecting selection, design, adoption, management and success of hybrid processes
* Processes across enterprise domains and business functions

* Integrating agile and non-agile processes
* Experiences in combining life-cycles, functional domains, and development organizations
* Impacts of special requirements such as high safety/reliability, globally distributed development, continuous integration, and others
* Evolution or transformation of organizations
* Enterprise processes for advanced development paradigms such as agile, lean, DevOps or customer-centric development
* Data science for analysis and management of hybrid and evolving processes

ICSSP 2019 invites the following types of submission:

Full papers (10 pages including references) that reflect completed and evaluated research on novel approaches to major software and systems engineering process challenges, especially relating to hybrid and evolving processes. Full papers can also be industry experience papers that report and reflect on in-depth experience, potentially including challenges, solutions, lessons, and recommendations, of significance for the research and practice communities.

Short papers (5 pages including references) that present concise research results, describe work-in-progress (e.g. Ph. D. research), or conceptual and position papers addressing new perspectives, open questions and future directions. Short papers can also be industrial papers, for instance, describing practical challenges or research needs motivated by experience.

Posters (2 pages extended abstract (including references) + DIN A2 poster draft) for research or industry experience that is not yet ready for publication as a paper, but nevertheless would be of interest to other researchers in terms of ideas, participation, or collaboration.

PUBLICATION

All accepted papers will be included in the ICSSP Proceedings, which will be published as part of the ICSE companion proceedings. Authors of selected papers may be invited to submit extended versions of their work to a special issue of Journal of Software: Evolution and Process.

IMPORTANT DATES

* Friday 25 January 2019:   Abstracts due
* Friday 1 February 2019:   Full papers due
* Friday 1 March 2019:   Notification to authors
* Friday 15 March 2019:   Camera-ready copies due

SUBMISSION INSTRUCTIONS

Preconditions for Submission

All submissions must comply with the ACM and IEEE policies on
authorship and publication. These include:
* The Policy on Roles and Responsibilities in ACM Publishing as they
apply to authors
* The ACM Policy and Procedures on Plagiarism
* The ACM policy on Prior Publication and Simultaneous Submissions
* The IEEE guidance on publishing ethics
Note that submitted papers must reflect the original work of the
authors, the authors must be entitled to publish the work, the work
must not have been published previously in a refereed or formally
reviewed publication, and the work must not be under review or in
press elsewhere while under review for ICSSP, among other provisions.

How to Submit

Submission link: All submissions must be submitted through EasyChair
at https://easychair.org/conferences/?conf=icssp2019

Submissions to ICSSP must not exceed the page limits specified above
for the applicable type of submission. Page limits include all text,
figures, tables, references, and appendices. All submissions must be
in English.

Important: ICSSP is NOT following a double-blind reviewing process, so
author names and affiliations should appear beneath the title of a
submission. (This is different from the policy followed by ICSE and
some other co-located events.)

Submissions must conform to the IEEE Conference Proceedings Formatting
Guidelines (title in 24pt font and full text in 10pt type, LaTEX users
must use \documentclass[10pt,conference]{IEEEtran} without including
the compsoc or compsocconf option).

Requirement to Register, Attend and Present

If a submission is accepted, at least one author of the paper must
register for and attend the conference and present the paper in
person. Failure to meet this requirement may result in the paper being
withdrawn from the program and proceedings.

ICSSP 2019 will be held at the ICSE venue, Fairmont The Queen
Elizabeth Hotel, Montreal, QC, Canada.

Conference registration will be through the ICSE registration site.

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A listing of the ICSSP 2019 Program Committee is available at the conference web site.