ICSSP 2019—International Conference on the Software and Systems Process
Hybrid and Evolving Processes for Software and Systems
May 25-26 2019, Montréal, Canada - Co-located with ICSE 2019
Organized by ISSPA; supported by IEEE Computer Society, IEEE TCSE, ACM, ACM SIGSOFT

Conference 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 these 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 requirements such as high safety/reliability, globally distributed development, continuous integration
- 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

We invite the following Submissions:

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, 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.

Important Submission Dates (All 2019):

Abstracts due 25 Jan; Full papers due 1 Feb; Author notification 1 Mar; Camera ready due 15 Mar

For full details of the submission process and additional information about ICSSP 2019 go to:
2019.icse-conferences.org/track/icssp-2019-papers
www.internationalsoftwareandsystemsprocessassociation.org/icssp2019