

15th International Conference on Product-Focused Software Development and Process Improvement (PROFES 2014)

December 10-12, 2014, Helsinki, Finland

Website: <http://profes2014.cs.helsinki.fi>

Twitter: [@PROFES_conf](https://twitter.com/PROFES_conf)

Conference Background and Topics

PROFES is the premier forum for practitioners, researchers, and educators to present and discuss experiences, ideas, innovations, as well as concerns related to software process and product quality improvement. PROFES 2014 will be the 15th gathering of the PROFES community and will take place in Helsinki, Finland.

The technical program will feature keynote talks, research papers, and experience reports on the most relevant topics related to existing and next-generation software processes, practices, and improvement approaches. Empirical studies (experiments, industrial experiences, cases studies, etc.) are welcome. In addition, we plan to host a number of workshops and tutorials. We will also host a Doctoral Symposium. Details about the program can be found on the conference website.

The proceedings of PROFES 2014 will be published by Springer in the [Lecture Notes on Computer Science \(LNCS\) series](#).

To ensure that PROFES will retain its high standards and that it will keep focusing on the most relevant research issues, we are looking for original research on software engineering techniques, methods, and technologies for product-focused software development and process improvement as well as their practical application in an industrial setting. The topics of interest include, but are not restricted to, the following:

- Practices and tactics for value-driven software development
- Processes for software innovation
- Infrastructures and processes for iterative or incremental software delivery
- Capabilities for fast release cycles
- Continuous deployment
- Development approaches using real-time feedback
- Gaining and analyzing deep customer insight
- Product quality models for software, systems, and services

- Project management techniques
- Service orientation and cloud
- Software development for Cyber Physical Systems
- Agile and lean processes
- Global or distributed software development
- Process modeling, management, and assessment
- Processes for OSS-based development
- Service engineering processes
- Software business models
- Industrial experiences and case studies on the topics above

Special Theme: Adapting to Radically New Business Conditions in Real-time

We are facing a fundamental systemic transformation towards a world where digital resources are constantly available on-line, and available for all to use. The complexity and competition around the new Internet infrastructure, services and business environment will increase dramatically which will fundamentally change the way software will be developed, deployed and used to reach business goals. Increasingly, products and services are not developed by a single company but rather by a network of collaborating companies. In addition, in the new real-time digital economy the companies' ability to gain deep customer insight will significantly mature. In the new global markets companies must better understand not just what features, functions or user interface solutions their products and services should have but, even more, how they could provoke, delight, gratify, shape or touch the users in a totally new way and with totally new products and services. This requires methods and tools to improve innovation as well as feedback mechanisms to automatically collect, analyze, and visualize data and information of the experiences and needs of the users. The key question is how the companies could adapt to radically new business conditions and opportunities in real-time or even, proactively. The dimensions of the new digital business revolution go broad and deep, even to the traditional industry sectors, and will require that the companies begin to perform software development in significantly different ways than before.

Call for Submissions

Important Dates

Full Paper Deadline: June 18, 2014
Short Paper Deadline: June 25, 2014
Full and Short Paper Notification: September 19, 2014
Full and Short Paper Camera-Ready: October 1, 2014
Poster Deadline: November 3, 2014
Poster Notification: November 19, 2014
Conference: Dec 10-12, 2014

Full Paper Submission

PROFES '14 invites submissions of full papers related to all the topics of interest of the conference. Papers that address collaborations between industry and academia, case studies as well as experience reports on any of the conference themes are welcome. All submitted papers will undergo a rigorous peer review process. Papers will be selected based on originality, quality, soundness and relevance. All contributions must be original, not published, accepted or submitted for publication elsewhere.

All papers should be submitted in PDF format through:

EasyChair: <https://www.easychair.org/conferences/?conf=profes2014>.
Submitted papers must conform to the [Springer LNCS author guidelines](#).

The maximum length of full papers is 15 pages.

Short Paper Submission

PROFES '14 invites submissions of short papers related to all the topics of interest of the conference. Papers that address collaborations between industry and academia, case studies as well as experience reports on any of the conference themes are welcome.

All papers should be submitted in PDF format through:

EasyChair: <https://www.easychair.org/conferences/?conf=profes2014>.
Submitted papers must conform to the [Springer LNCS author guidelines](#).

The maximum length of short papers is 4 pages.

Poster Submission

PROFES '14 invites submissions of posters related to all the topics of interest of the conference. Posters represent a good way for fast tracking new ideas, and provide an opportunity to present work-in-progress in an informal setting. Topics of interest are the same as the aforementioned research topics. Posters will be presented in a separate "Pitch Session".

A half page description should be submitted no later than November 3, 2014 to [Marco Kuhrmann](#).

The poster notification will be on November 19, 2014.

PHD Proposal Submission

The submission details for PhD proposals at the PROFES doctoral symposium will soon be available on the conference website.

Workshop and Tutorial Proposal Submission

The submission details for proposals for workshops and tutorials will soon be available at the conference website.

Organizing Committee

General Co-Chairs

Jürgen Münch, University of Helsinki
Tomi Männistö, University of Helsinki

Program Co-Chairs

Andreas Jedlitschka, Fraunhofer IESE
Pasi Kuvaja, University of Oulu

Workshops and Tutorials Chair

Fabian Fagerholm, University of Helsinki

Short Papers and Posters Chair

Marco Kuhrmann, Technische Universität München

Doctoral Symposium Chair

Maria Paasivaara, Aalto University, Helsinki

Local Arrangements Chair

Simo Mäkinen, University of Helsinki

Proceedings Chair

Mikko Raatikainen, Aalto University

Social Media Co-Chairs

Daniel Graziotin, Free University of Bozen Bolzano
Daniel Méndez Fernández, Technische Universität München