

FACS 2018

15th International Conference on Formal Aspects of Component Software

Pohang, Korea, October 10-12, 2018

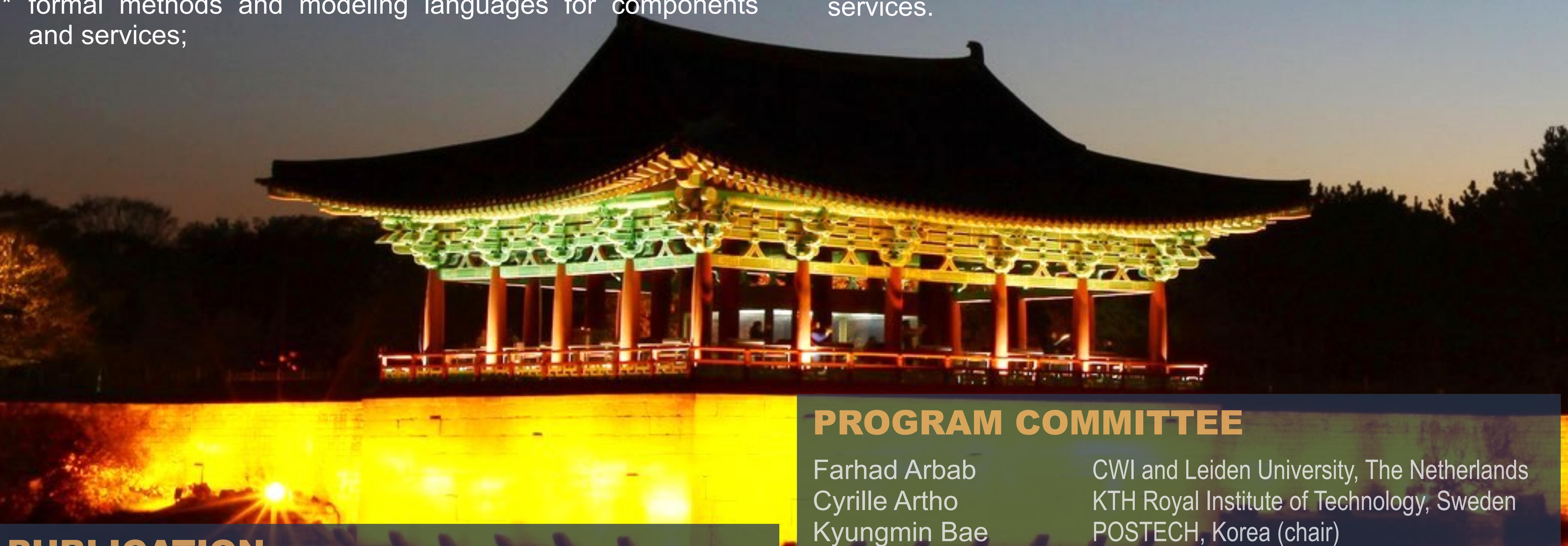
<http://sevlab.postech.ac.kr/facs18>

OVERVIEW AND SCOPE

FACS 2018 is concerned with the application of formal methods in all aspects of software components and services. Specific topics include, but are not limited to:

- * formal models for software components and their interaction;
- * formal aspects of services, service-oriented architectures, business processes, cloud computing, cyber-physical systems, Internet of Things, and similar artifacts;
- * design and verification methods for software components and services;
- * composition and deployment: models, calculi, languages;
- * formal methods and modeling languages for components and services;

- * models for QoS and other extra-functional properties (e.g., trust, compliance, security) of components and services;
- * components for real-time, safety-critical, secure, and/or embedded systems;
- * components for the Internet of Things and cyber-physical systems;
- * probabilistic techniques for modeling and verification of component-based systems;
- * model-based testing of components and services;
- * case studies and experience reports;
- * tools supporting formal methods for components and services.



PUBLICATION

The proceedings of FACS 2018 will be published as a Springer LNCS volume. Authors of selected papers will be invited to submit extended versions to a special issue of the *Science of Computer Programming* journal.

SUBMISSION

We solicit submissions reporting on:

- * original research contributions (18 pages max)
- * applications (18 pages max)
- * surveys, comparisons, state-of-the-art reports (18 p. max)
- * tool papers (6 pages max)

INVITED SPEAKERS

Edward A. Lee University of California, Berkeley
Grigore Rosu University of Illinois, Urbana-Champaign

IMPORTANT DATES

Abstract submission deadline: June 8

Submission deadline: June 15

Notification: August 7

Conference: Oct 10-12

PROGRAM COMMITTEE

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