Call for papers Doctoral Symposium

March 4, 2015, Milan

Important dates

* Paper submission deadline: January 23, 2015
* Notification of Acceptance: February 5, 2015
* Camera Ready Version: February 18, 2015

Description

The ESSoS Doctoral Symposium 2015 will be held in Milan, Italy on Wednesday, March 4, 2015, as a satellite event of the ESSoS 2015 Symposium.
Following the aim of the past ESSoS-DS edition, the scope of this yearâ€™s event will be once more focused on providing PhD students an opportunity to discuss their research in Engineering Secure Software and Systems (ESSoS) in an international forum, and with a panel of well-known experts in the field.
Following last year's successful idea the Symposium aims on bringing together a broad range of students: PhD students at the start of their trajectory, students who are about to finish (What are the pitfalls in the final stages?) and students in the middle (aiming for the first top-level publication). Students will have the occasion to discuss, in a welcoming and informal atmosphere, the goals already achieved or planned, the research challenges they are interested in, the projects they are working on, the facilities they are developing, the problems they fight to solve and are solving in their doctoral work. During the Doctoral Symposium students will receive useful feedback from senior researchers, industrial partners and experts. It will also be a good opportunity for meeting and sharing experiences with other PhD students that are addressing similar topics, or are at a similar stage in their doctoral work. This way, the students will obtain guidance both on the academic content of their current work and on potential future research trajectories.

Scope

PhD students carrying out research in Engineering Secure Software and Systems are invited to submit a position paper to the PhD Symposium.
Short papers will be peer-reviewed by the Symposium's program committee members. The criteria used for accepting a paper include:
1. contribution of the work to the ESSoS field,
2. originality of the work, and
3. overall quality of the position paper.

Topics

PhD proposals fitting into the ESSoS conference topics are especially encouraged. This includes a diversity of topics, such as (but not limited to):

* scalable techniques for threat modeling and analysis of vulnerabilities
* specification and management of security requirements and policies
* security and privacy architecture and design for software and systems
* Security and privacy design in traditional and cloud-based systems
* model checking for security and privacy
* specification formalisms for security artifacts
* verification techniques for security properties
* systematic support for security best practices
* security testing
* security assurance cases
* programming paradigms, models and DSLs for security
* program rewriting techniques
* processes for the development of secure software and systems
* security oriented software reconfiguration and evolution
* security measurement
* trust modelling and analysis for security;
* security economics
* automated development
* secure mobile application engineering
* trade-off between security and other non-functional requirements
* support for assurance, certification and accreditation
* Security processes for digital and cloud forensics

Accepted position papers will be presented during the ESSoS 2015 Doctoral Symposium and will be published on the ESSoS website. Presenters of the doctoral Symposium will get an opportunity to present their work in poster format during the main program of ESSoS 2015. The organizers of the doctoral symposium intend to publish post-proceedings of the Doctoral Symposium - details will follow.

Doctoral Symposium co-chairs

* Haris Mouratidis (University of Brighton, UK)
* Federico Maggi (Politecnico di Milano, IT)
* Christos Kalloniatis (University of the Aegean, Greece)

URL https://distrinet.cs.kuleuven.be/events/essos/2015/calls-doc.html