

**CALL FOR PAPERS** ESSoS Doctoral Symposium February 26, 2014, Munich

**IMPORTANT DATES** Paper submission deadline: January 20, 2014 Notification of Acceptance: January 30, 2014 Camera Ready Version: February 12, 2014 The ESSoS Doctoral Symposium 2014 will be held in Munich, Germany on Wednesday, February 26, 2014 in conjunction with the ESSoS 2014 Symposium. Following the aim of the past ESSoS-DS edition, the scope of the current event will be 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. NEW in this year's Symposium is the fact that we aim to bring 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 want 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. 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 contribution of the work to the ESSoS field, originality of the work, and 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 architecture and design for software and systems - model checking for security - 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 - automated development - trade-off between security and other non-functional requirements - support for assurance, certification and accreditation Accepted position papers will be presented during the ESSoS 2014 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 2014. The organizers of the doctoral symposium intend to publish post-proceedings of the Doctoral Symposium - details will follow.

**SUBMISSION INSTRUCTIONS** Two types of submissions will be considered: (A) papers reflecting PhD projects in an early stage and (B) papers that represent PhD projects that are in the second half or nearly complete. A) Position papers of PhD students in an early stage of their project should fulfill the following requirements. - Length: two to six pages - Format: Submissions should be formatted according to the LNCS guidelines. - Content: \* Authors' names (PhD student + contributing team members if applicable) \* affiliation \* an abstract (maximum 200 words) \* the problem(s) that the proposed research is going to solve, and the motivation for solving them \* the aims and objectives of the proposed research \*

the potential contributions to the state-of-the-art \* the research methodology to be used to achieve the research goals, including a brief description of the work done to date and a tentative research plan for future work \* the main contribution(s) of the research to the field of Engineering Secure Software and Systems

B) Position papers of PhD students in a late to closing stage of their project - should fulfill the following requirements.

- Length: two to six pages
- Format: Submissions should be formatted according to the LNCS guidelines.
- Content:
  - \* Authors' names (PhD student + contributing team members if applicable)
  - \* affiliation
  - \* an abstract (maximum 200 words)
  - \* Scope: the domain, scope and objectives of the proposed research
  - \* Track record: the results that have been achieved in previous steps and/or publications
  - \* The synergy and cohesion between the results, and the approach on how to complete the thesis
  - \* The main contribution(s) of the research to the field of Engineering Secure Software and Systems

C) Some PhD students who have delivered a top publication in the midst of their trajectory will be invited to present a testimonial; anybody can volunteer by sending a short email to the PC Chairs (referring to their actual top publication). Authors should use the Doctoral Symposium Submission site at EasyChair ( <https://www.easychair.org/conferences/?conf=essosds2014> ) for the submission of their manuscripts.

CONTACT INFORMATION Doctoral Symposium Chairs: Wouter Joosen (KU Leuven, Leuven, Belgium) and Fabio Martinelli (CNR, Pisa, Italy)

Authors of accepted papers may apply for a grant to cover their registration for ESSoS 2014.

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