SEENG @ICSE 2022

4th International Workshop on Software Engineering Education for the Next Generation
International Conference on Software Engineering 2022
1 day between May 21 and May 29, **Virtual Event**

Call for Papers

In the last 30 years, the demands placed on software engineers have increased dramatically. This is because the systems they develop increase in complexity, size, and criticality as well. Novel system types like adaptive systems or cyber-physical systems and new technologies, like artificial intelligence and virtual reality change the technology landscape. Professionals creating such systems hence need to stay on the cutting edge to face the challenges of the future. Albeit the software engineering community has created a vast toolbox of approaches, techniques, paradigms, and frameworks to meet these challenges, this is only one side of the story: we need to enable future generations of software engineers to meet current demands and prepare them for challenges that are unforeseen today.

Scope and Topics

The **Fourth International Workshop on Software Engineering Education for the Next Generation (SEENG)** aims to bring together scholars, educators, and other stakeholders to discuss the unique needs and challenges of software engineering education for the next generation. Topics of interest include, but are not limited to:

- Foundational research on SE skills
- Methods of teaching SE skills
- Methods of evaluating, assessing, and measuring SE skills
- Evaluations of teaching and assessment methods in SE
- Empirical studies describing SE education contexts
- Learning technologies and tools that support SE education and training
- Automated evaluation of SE skills
- Teaching Soft skills in SE
- Studies of equity, diversity, and inclusion in SE education and training
- On-boarding and on-the-job training of software engineers
- Continuing education of software engineers
- Extra-curricular training of SE students (e.g., through hackathons, bootcamps)
- Certification of software engineers
- Software Engineering Body of Knowledge
- Role of culture and gender in SE education and training
- Use of online sources for SE education
- Encouraging SE education in K-12 program

Submission and Publication

We accept original manuscripts in English, strictly adhering to the **ACM Proceedings Template** (https://www.acm.org/publications/proceedings-template).

Paper length must not exceed 8 (research or experience papers) or 4 (position papers) pages including references and author biographies. Do not blind your manuscript, **review will be single-blind**. Manuscripts that do not adhere to the formatting instructions will be rejected without review.

Please submit your original manuscripts using the Hot RCP Submission System:

https://seeng2022.hotcrp.com/

All submitted manuscripts will be peer-reviewed by at least three reviewers. Upon acceptance, at least one author is required to register, pay, and attend the workshop for their paper to be published. Papers will be published in the ICSE workshop proceedings. The official publication date of the workshop proceedings is the date the proceedings are made available. The official publication date affects the deadline for any patent filings related to published work.

Workshop Format

The workshop will be held as a virtual event. The workshop will use a highly interactive format, structured around short presentations to generate discussion topics, an activity to select the most interesting topics, and structured breakout sessions to allow participants to address those topics using an online collaboration tool to identify research ideas.

Important Dates

Paper Submission	14 January 2022
Paper Notification	25 February 2022
Camera Ready Submission	18 March 2022
1 day Workshop	**to be defined**

Organization

Stephan Krusche, *Technische Universität München, Germany*

Bastian Tenbergen, *Oswego State University, USA*

Tentative Programme Committee

Alejandro Bia, *Miguel Hernández University, Spain*

Jan Philip Bernius, *Technical University of Munich, Germany*

Jürgen Börstler, *Blekinge Institute of Technology, Sweden*

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Nicolas Guelfi, *University of Luxembourg, Luxembourg*

Scott Heggen, *Berea College, Kentucky, USA*

Michael Hilton, *Carnegie Mellon University, USA*

Jil Klünder, *Leibniz Universität Hannover, Germany*

Philippe Kruchten, *University of British Columbia, Canada*

Christoph Matthies, *University of Potsdam, Germany*

Maria Augusta Nelson, *Pontifícia Universidade Católica deMinas Gerais, Brazil*

Nicolas Paez, *Universidad de Buenos Aires, Argentina*

Paul Schmiedmayer, *Technical University of Munich, Germany*

Swapneel Sheth, *University of Pennsylvania, USA*

Leonardo da Silva Sousa, *Carnegie Mellon University, USA*

Paramvir Singh, *University of Auckland, New Zealand*

Kurt Schneider, *Leibniz Universität Hannover, Germany*

Saurabh Tiwari, *Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar*

Carlos Mario Zapata Jaramillo, *Universidad Nacional de Colombia, Colombia*

Workshop Contact

Website: https://seeng2022.se-edu.org/
Contact: krusche@in.tum.de
bastian.tenbergen@oswego.edu