## 3rd International Workshop on Software Engineering Education for the Next Generation: Welcome from the Chairs

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Welcome to SEENG 2021, the 3rd International Workshop on Software Engineering Education for the Next Generation! SEENG 2021 will be held remotely as an integral component of the Joint Track on Software Engineering Education and Training (JSEET) at the 43rd IEEE/ACM International Conference on Software Engineering (ICSE).

The workshop will be an interactive event intended to specifically support the JSEET's theme of Educating the Next Generation of Software Engineers:

"Millennials and Generation Z have been dominating higher education programs for some time. In a decade, our classes will be hosting Generation Alpha. We have all noticed that these cohorts have unique needs and different learning styles, social behaviors, and skills. With their increasing mobility, our classes will become more and more diverse. Our students will become increasingly collaborative, socially aware, tech-savvy, multi-disciplinary, and interested in emerging technologies. How shall the software industry capitalize on the mix of qualities that the new breed of software engineers will possess? How shall software engineering educators effectively and equitably cater to the students', society's, and industry's evolving and diverse interests while ensuring that the next generation of software engineers learn the timeless principles, have a firm grounding in both software engineering theory and practice, behave responsibly, and make a positive contribution to the society?"

Perspectives of software engineering educators, but also students, recent graduates, employers, and representatives of STEM education from government and non-government organizations, should be heard to answer these questions and identify solutions.

Following the 1st International Workshop on Software Engineering Curricula for Millennials (SECM 2017) and 2nd International Workshop on Software Engineering Education for Millennials (SEEM 2018), our goal in this 3rd edition is to continue to bring together main stakeholders to discuss the unique needs and challenges of software engineering education for the next generation. Building on its predecessor, 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.

We solicited position papers addressing a variety of related topics that include: software engineering education for new and emerging technologies; novel approaches to designing software engineering curricula; skills and continuing education for software engineering educators; classroom formats that cater to diverse learning styles; teaching approaches that leverage technology-enhanced education in software engineering courses; balancing teaching of soft and hard skills and rigor and practicality in software engineering education; and experience in educating students in software engineering programs.

Our diverse international program committee (PC) consisted of 21 software engineering educators and researchers from academia and industry across 12 different countries. The workshop received 20 submissions. After a thorough review process with 4 reviews and 1 meta-review per paper by the PC members, we could accept 8 position papers (acceptance rate 40 %). We would like to thank all PC members for their reviews and the discussions afterwards.

The accepted contributions span a variety of topics, including project-based courses, teaching design by contract, software testing approaches, student feedback and assessment practices, and more.

Our ulterior motive with this 3rd edition of SEENG is to continue to grow a community excited about and dedicated to serving the next generation of students. Please join us to share your thoughts, insights, and experiences, seek and offer advice on pedagogical methods that work, and explore collaboration opportunities on new software engineering education initiatives.

Cécile Péraire, Carnegie Mellon University Stephan Krusche, Technical University of Munich ICSE 2021 JSEET-SEENG program committee chairs May 24, 2021