

Panel Session ESEKE: SEKE and Education

Co-Organizers and Co-Chairs: Pankaj Kamthan and Hironori Washizaki

Theme: Educational and Professional Implications of SWEBOK

Description: Software continues to play an indispensable role in society, not least due to the increased reliance on digitization during the COVID-19 pandemic. Software Engineering has evolved in several different directions since it was established as a discipline over 50 years ago. Much has changed in the ensuing decades, especially how Software Engineering is viewed and pursued, and SWEBOK Version 4 aims to reflect this evolution.

In particular, this panel session will address pressing issues around the following selection of topics:

- (1) The Need for Evolving SWEBOK from Version 3 to Version 4
- (2) The Prospects and Challenges of Integrating SWEBOK in Software Engineering Curriculum
- (3) Usefulness of SWEBOK for Software Practitioners in the Industry

The session comprises an esteemed group of panelists from academia and industry, specializing in multiple different areas of Software Engineering, thereby bringing much desired multidisciplinary perspective and diverse experience to the aforementioned topics. The panelists are:

- (1) **David Parsons** <david@themindlab.ac.nz> (The Mind Lab, New Zealand), Specialties: Agile Education, Agile Practices, Software Engineering Education
- (2) **Nazlie Shahmir** <nazlie_shahmir@cpr.ca> (Canadian Pacific Railway Limited, Calgary, Canada), Specialties: DevOps, Software Project Management, Software Quality, Software Requirements, Software Testing
- (3) **Steve Schwarm** <schwarm@ieee.org> (Retired/Part-Time Synopsys - Black Duck Software, USA), Specialties: Specialties: Software Construction, Standards, Quality, and Programming Languages
- (4) **Yatheendranath TJ** <y.tarikere@ieee.org> (DhiiHii Laboratories Private Limited, Bengaluru, India), Specialties: Computing Foundations, Software Engineering Management and Training
- (5) **Steve Tockey** <steve.tockey@construx.com> (Construx Software, USA), Specialties: Software Engineering Economics, Software Quality, Software Requirements
- (6) **Hironori Washizaki** <washizaki@waseda.jp> (Waseda University, Tokyo, Japan), Specialties: Machine Learning Software Engineering, Software Design, Software Engineering Education, Software Maintenance and Evolution, Software Quality Assurance, Software Reuse

Moderator: Pankaj Kamthan <kamthan@cse.concordia.ca> (Concordia University, Montreal, Canada), Specialties: Agile Methodologies, Conceptual Modeling, Software Engineering Education, Software Patterns, Software Quality, Software Requirements

Each topic will be allotted 20 minutes. At the end of the panel discussion, the floor will be opened to the audience, welcoming any questions that they might have.