

## CSEE&T Final Program

### General Schedule for all days:

8–8:30	Registration and continental breakfast
8:30–10:00	Session 1
10:00–10:30	Break
10:30–12:00	Session 2
12:00–1:30	Lunch
1:30–3:00	Session 3
3:00–3:30	Break
3:30–5:00	Session 4

Continental breakfast, lunch, breaks, social program are all included in the conference registration fee.

### Tuesday, November 7

#### Academy for Software Engineering Education and Training (ASEET)

The ASEET includes the following 2 full-day workshops in parallel sessions. Due to the structure of these workshops, attendees are requested to stay in a single workshop, rather than trying to attend parts of both workshops. These workshops are included in the conference registration fee:

**Software Architecture Educators' Workshop – Grace Lewis**

**Second DevOps Educators' Workshop – Len Bass**

**Evening Social Program: Tuesday, November 7, 2017, River Dinner Cruise, [9 East River Street Savannah, GA 31401](#) Cruise boards at 6 PM, sails at 7 PM for 2 hours,**

### Wednesday, November 8

Session 1 – Plenary session - Announcements and Keynote Speaker:

**Keynote:** System Thinking for Software Engineering Educators - Dick Fairley

Session 2 – Parallel sessions:

**Hall of Fame Presentations** (4 presentations: Carnegie Mellon University, Rochester Institute of Technology, University of Ottawa, joint presentation by University of Zagreb, Croatia (FER), Mälardalen University, Västerås, Sweden (MDH) and Politecnico di Milano, Italy (POLIMI) )

#### **Paper Session 1:**

Course Design (3)

Andreas Bollin, Csaba Szabo, Elisa Recio, Veronika Szaboova and Rudolf Siebenhofer: Applying a Maturity Model during a Software Engineering Course - Experiences and Recommendations (FP)

Jari Porras, Maria Palacin-Silva and Birgit Penzenstadler: The evolving perceptions of sustainability in CS and SE education: findings from a master's programme (FP)

Carlos Portela, Alexandre Vasconcelos, Sandro Oliveira and Mauricio Souza: The Use of Industry Training Strategies in a Software Engineering Course: An Experience Report (FE)

**Paper Session 2:**

DevOps and Mobile (3)

Guoping Rong, Shenghui Gu, He Zhang and Dong Shao: DevOpsEnvy: An Education Support System for DevOps (FP)

Brian Eddy, Norman Wilde, Nathan Cooper, Bhavyansh Mishra, Valeria Gamboa, Keenal Shah, Adrian Deleon and Nikolai Shields: A Pilot Study on Introducing Continuous Integration and Delivery into Undergraduate Software Engineering Courses (FP)

Fabio Binder, Mark Nichols, Sheila Reinehr and Andreia Malucelli: Challenge Based Learning applied to Mobile Software Development Teaching (FP).

Lunchtime Poster Session:

Timo Hynninen, Jussi Kasurinen, Antti Knutas and Ossi Taipale; Testing Practices in the Finnish Software Industry

Jesús Manuel Olivares Ceja Nancy Huitron Ramirez; Teaching software enterprise architectures using Bloom's taxonomy

[Joshua Nwokeji](#), Ayodele Olagunju, [Stephen Frezza](#), Tinukwa Boulder and Nkeiruka Chigozirim Okolie; Implementing Project Based Learning: Some Challenges from a Requirements Engineering Perspective

Nicolas Guelfi, Alfredo Capozucca and Benoit Ries; A Product Line Based Approach for Software Engineering Project Course Design

[Mauricio R. A. Souza](#), Renata Moreira and [Eduardo Figueiredo](#); A framework for the gamification of practical assignments in software engineering education

Session 3 – Parallel sessions:

**Workshop:** Crafting the future of software engineering education in CC2020  
Chair: Rich LeBlanc Participants: Dick Fairley, Nancy Mead, John Impagliazzo

**Paper Session 3:**

Project-based Learning (3)

Birgit Demuth and Marc Kandler: An Approach for Project Task Approximation in a Large-Scale Software Project Course (FP)

David Delgado, Jairo Aponte, Alejandro Velasco and Andrian Marcus: Evolving a Project-based Software Engineering Course: A Case Study (FE)

Robbie Simpson and Tim Storer: Experimenting with Realism in Software Engineering Team Projects: An Experience Report (FE)

**Paper Session 4:**

Requirements and Projects (4)

Chandan Rupakheti, Mark Hays, Sriram Mohan, Steve Chenoweth and Amanda Stouder:  
On a Pursuit for Perfecting an Undergraduate Requirements Engineering Course (FP)

Claudia Iacob and Shamal Faily: Using Extreme Characters to Teach Requirements  
Engineering (SP)

Damen Nyinkeu Ngatchu and Henry Ngatchu: Work and Play in Software Engineering  
Training: Experiences from the Silicon Mountain (SE)

Gustavo Pinto, Fernando Filho and Igor Steinmacher: Training Software Engineers using  
Open-Source Software: The Professors' Perspective (SP)

Session 4 – Parallel sessions:

**Panel:** How to Enhance Diversity in Software Engineering Programs  
Chair: Hossein Saiedian, Panelists: Grace Lewis, Andrew Williams

**Paper Session 5:**

Modeling (3)

Grischa Liebel, Omar Badreddin and Rogardt Heldal: Model Driven Software Engineering  
in Education: A Multi-Case Study on Perception of Tools and UML (FE)

Marian Daun, Jennifer Brings, Patricia Aluko Obe, Klaus Pohl, Steffen Moser, Hermann  
Schumacher and Marcel Ries: Teaching Conceptual Modeling in Online Courses: Coping  
with the Need for Individual Feedback to Modeling Exercises (FP)

Kevin Steppe, Sally Chin and Wai Tuck Wong: Improving the Teaching of Software Design  
with Automated Modelling of Syntactic Dependencies (FP)

**Paper Session 6:**

Online and Programming (3)

Jeong Yang, Young Lee and Kai H. Chang: Initial Evaluation of JaguarCode: A Web-Based  
Object-Oriented Programming Environment with Static and Dynamic Visualization (FP)

Jorge Edison Lascano and Stephen Clyde: Improving Computer Science Education  
Through Cloud Computing: An Observational Study (FP)

Lilian P. Scatalon, Jorge M. Prates, Draylson M. Souza, Rogerio E. Garcia and Ellen F.  
Barbosa: Towards the role of test design in programming assignments (FP)

**Evening Social Program: Conference Dinner**

**Thursday, November 9**

Session 1 – Plenary session – Nancy Mead Award, Hall of Fame announcements, Keynote speaker

**Keynote:** Teaching Agile Methods - Mark Paulk

Session 2 – Parallel sessions:

**Panel:** Undergraduate software engineering education

Chair: Chris Taylor, Panelists: Kevin Gary, James Kiper, Carol Wellington, Norha Villegas, Lily Chang

**Paper Session 7:**

Agile and Processes (4)

Robert Green and Joseph Chao: Ten Years of the Agile Software Factory for Software Engineering Education and Training (SP)

Marcello Missiroli, Daniel Russo and Paolo Ciancarini: Cooperative Thinking, or: Computational Thinking meets Agile (SP)

Nitish Devadiga: Software engineering education: Converging with the startup industry (SE)

Leilde Vincent and Vincent Ribaud: Does process assessment drive process learning? The case of a Bachelor capstone project (SP)

**Paper Session 8:**

Learning Strategies (3)

Wayne Heym, Paolo Bucci, Paolo A. G. Sivilotti, Kevin Plis, Murali Sitaraman, Joseph E. Hollingsworth, Joan Krone and Nigamanth Sridhar: Integrating Components, Contracts, and Reasoning in CS Curricula with RESOLVE: Experiences at Multiple Institutions (FP)

Maria Palacin-Silva, Jayden Khakurel, Ari Happonen, Timo Hynninen and Jari Porras: Infusing Design Thinking Into a Software Engineering Capstone Course (FP)

Williamson Silva, Igor Steinmacher and Tayana Conte: Is It Better to Learn from Problems or Erroneous Examples (FP)

Session 3 – Parallel sessions:

**Workshop:** Teaching Agile Project Management (Eduardo Miranda)

**Panel:** SWEBoK Evolution

Chair: Rich Hilliard, Panelists: Steven Schwarm, Peter Leather, Hironori Washizaki

**Paper Session 9:**

Online and Novice Education (4)

Kevin Gary, Sohum Sohoni and Timothy Lindquist: It's Not What You Think: Lessons Learned Developing an Online Software Engineering Program (SE)

Jaechoon Jo and Heuseok Lim: A Study of Keyword based on The Word Frequency Effect Theory with Video Lectures of Software Engineering Education for Detecting Mind Wandering (SP)

Peeratham Techapalokul and Eli Tilevich: Novice Programmers and Software Quality: Trends and Implications (SP)

Cassandra Balland, Nene Satorou Cisse, Louise Hergoualc'H, Gwendoline Kervot, Audrey Lidec, Alix Machard, Lisa Ribaud-Le Cann, Constance Rio, Maelle Sinilo, Valerie Dantec, Catherine Dezan, Cyrielle Feron, Claire Francois, Chabha Hireche, Arwa Khanoussi and Vincent Ribaud: Girls who do ... Scratch - A first round with Essence (SP)

Session 4 – Parallel Sessions:

**Workshop:** Teaching Agile Project Management (continued) (Eduardo Miranda)

**Paper Session 10:**

Human Aspects (3)

Antti Knutas, Ahmed Seffah, Lene Sorensen, Andrey Sozykin, Fawaz Alzaghoul and Alain Abran: Crossing the Borders and the Cultural Gaps for Training PhDs in Software Engineering (FE)

Pablo Schoeffel, Raul Wazlawick and Vinicius Ramos: Impact of Pre-University Factors on the Motivation and Performance of Undergraduate Students in Software Engineering (FP)

Mauricio R. A. Souza, Kattiana Constantino, Lucas Veado and Eduardo Figueiredo: Gamification in Software Engineering Education: An Empirical Study (FP)