



**IEEE STC Conference 2015
October 12-15, 2015**

Tentative Agenda – subject to change. Updated 10/5/15

Tutorial-Training Day

Monday, October 12

7:00-8:00 AM <i>Promenade</i>	Registration
7:00-8:00 AM <i>International II</i>	Breakfast for Tutorial-Training Registrants and Tutorial Presenters
8:00-11:45 AM	Morning Tutorial-Training Sessions
<i>Atlantic II</i>	Managing Technical Debt for Software and Systems Projects Dick Fairley, Mary Jane Willshire
<i>Pacific I</i>	Balancing Systems and Software Qualities Barry Boehm
<i>Pacific II</i>	Practical Guide to Using SFIA Matthew Burrows
11:45-1:15 PM <i>International II</i>	Networking Lunch for Tutorial-Training Registrants and Tutorial Presenters
1:15-5:00 PM	Afternoon Tutorial-Training Sessions
<i>Atlantic II</i>	Systems Engineering for Software Engineers Dick Fairley, Massood Towhidnejad
<i>Pacific I</i>	Secure Data Collection with the Open Source OpenDOF Technology Bryant Eastham
<i>Pacific II</i>	Practical Guide to Using SFIA (continued) Matthew Burrows
5:00-7:00 PM <i>Promenade</i>	IEEE STC 2015 Conference Welcome Social For all IEEE STC Registrants and Presenters



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Monday, October 12

5:00-7:00 PM Promenade	IEEE STC 2015 Conference Welcome Social
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Tuesday, October 13

7:00-8:00 AM <i>Promenade</i>	Registration
7:00-8:00 AM <i>International IV-V</i>	Plated Breakfast
8:00-9:30 AM <i>International IV-V</i>	<p>Welcome: Rick Selby, Northrop Grumman - Program Chair <u>Opening Remarks:</u> Roger Fujii, 2016 IEEE CS President Elect <u>Keynote Address:</u> Barry Boehm, USC “Riding Herd on Total Ownership Costs: Herding Sheep vs. Herding Cats”</p>
10:00-10:45 AM	Breakout Sessions
<i>Atlantic I</i>	Systems vs. Software Engineering Skills – A Gap Analysis David Cook, Eugene Bingue
<i>Atlantic II</i>	Why Are Estimates Always Wrong: Estimation Bias and Strategic Misestimation Dan Galorath
<i>Pacific II</i>	Trust but Manage: Real-Life Lessons in Controlling Supply Chain Risk John Haller and Matthew Butkovic
10:45-11:30 AM	Breakout Sessions, Continued
<i>Atlantic I</i>	Struggles at the Frontiers: Achieving Software Assurance for Software Reliant Systems Kenneth Nidiffer
<i>Atlantic II</i>	Improving Productivity for Projects with High Turnover Anandi Hiri
<i>Pacific I</i>	Mobile Privacy: Analyzing Application Requested Permissions and Privacy Policies Paige Selby
<i>Pacific II</i>	The Cyber Supply Chain: Strategies for Managing the Risks and Challenges Russell Mattern, Michael Donohoe
11:30-1:15 PM International IV-V	<u>Lunch and Panel Presentation</u> Agile Transformation – Lessons Learned & Best Practices Mary Ann Lapham, Ken Kubo, John O’Hara, Robin Yeman, Debbie Brey

1:15-2:00 PM	Breakout Sessions
<i>Atlantic I</i>	Using Operational Risk Management to Increase Systems Engineering Effectiveness Brian Gallagher, Kenneth Nidiffer
<i>Pacific I</i>	Securing Integrations in Cloud, Mobile and Enterprise Ashwani Sing, Vivek Varma
<i>Pacific II</i>	Do You Have the Right Practices in your Cyber Supply Chain Tool Box? Michele Moss
2:00-2:45 PM	Breakout Sessions, Continued
<i>Atlantic I</i>	Model-Driven Engineering: A Framework for Owning the Technical Baseline David Campbell, Garrett Wampole
<i>Atlantic II</i>	How Does Software Maintainability Vary by Domain and Programming Language? Celia Chen, Lin Shi, Kamonphop Srisopha
<i>Pacific II</i>	Supply Chain Risk Management Phydeli Binemon Bossala
2:45-3:15 PM	Break
3:15-4:00 PM	Breakout Sessions
<i>Atlantic I</i>	Putting the Engineering back in Software Engineering David Cook, Eugene Bingue
<i>Atlantic II</i>	Achieving Better Buying Power through Acquisition of Open Architecture Software Systems for Web and Mobile Devices Walt Scacchi
<i>Pacific I</i>	Connected Teams, Connected Code, and the Connected Device: The Complexities of IoT Development Prathap Dendi and Anders Wallgren
<i>Pacific II</i>	Secure Coding Frameworks Tim Kertis
4:00-4:45 PM	Breakout Sessions, Continued
<i>Atlantic I</i>	SFIA V6: Using Skills to Leverage your Biggest Asset: People Matthew Burrows
<i>Pacific I</i>	PERECO – Personalized Emergency Response Ecosystem Satyanarayana Srinivas, Aditya Dalwani, Chiraag Sumanth, Arvind Srikantan
<i>Pacific II</i>	Finding and Fixing the Architectural Roots of Bugginess Rick Kazman

Dinner on your own

Wednesday October 14

7:00-8:00 AM <i>International IV-V</i>	Plated Breakfast For all registered attendees and presenters
8:00-9:30 AM <i>International IV-V</i>	<u>Keynote Address:</u> Grace Lewis, SEI “Mobile Computing at the Edge”
10:00-10:45 AM	Breakout Sessions
<i>Atlantic I</i>	Real Life Risk Based Project Management for LEAN and Agile Development David Clark, John Krumm, Avery Morris, Kelly Snodgrass, Sheryl Moen
<i>Atlantic II</i>	Value Visualization Framework Michael Harris
<i>Pacific I</i>	A Scorecard for Cyber Resilience: What we have Observed Philip Scolieri, Robert Vrtis
<i>Pacific II</i>	A Real World Software Assurance Test Suite Charles Oliveira

10:45-11:30 AM	Breakout Sessions, Continued
<i>Atlantic I</i>	EVM for Agile Projects Jim Duffy
<i>Atlantic II</i>	Learning in Rule-based Recommendation Systems Arvind Hudli, Shrinidhi Hudli
<i>Pacific I</i>	Taking Apart Industry Jargon and Getting to the Root of Cybersecurity John Kurdziel, Ben Collar
11:30-1:15 PM <i>International IV-V</i>	Networking Lunch For all registered attendees and presenters
1:15-2:00 PM	Breakout Sessions
<i>Atlantic I</i>	Avoiding the Time Trap Timothy Chick
<i>Atlantic II</i>	Achieving Collaboration, Transferring Domain Expertise to Expert Systems Gene Oates, John Sheppard
<i>Pacific I</i>	Lessons Learned for Implementing Affordable Cybersecurity within a Hosted Cloud Environment Dan Kahn
<i>Pacific II</i>	Static Analysis Security Testing – Current State and Future Direction Aravind Venkataraman
2:00-2:45 PM	Breakout Sessions, Continued
<i>Atlantic I</i>	Agile is a Quality Anti-Pattern David Gelperin
<i>Atlantic II</i>	A Framework to Maintain Data Relevance in a Data Lake Tejas Dharamsi, Satyanarayana Srinivas, Sadiur Rahman, Rupam Rai
<i>Pacific I</i>	Putting Security Back Into the Code: Experiences in Teaching Secure Coding David Cook, Eugene Bingue
<i>Pacific II</i>	Hybrid Verification in SPARK 2014: Combining Formal Methods with Testing Stephen Baird
2:45-3:15 PM	Break
3:15-4:00 PM	Breakout Sessions
<i>Atlantic I</i>	The Technical Debt Metaphor: Principles, Practical Considerations, Tool Support, and Research Directions Davide Falessi
<i>Atlantic II</i>	A Data-Driven Approach to Analyze the Spatial and Temporal Variations in the Power Distribution Grid Qiwei Zheng, Peng Xiao
<i>Pacific I</i>	Automatic Quantification and Minimization of Attack Surfaces Borislava Simidchieva, Nathaniel Soule, Michael Atighetchi, Fusun Yaman, Ronald Watro, Joseph Loyall, Daivd Last, David Myers, Capt. Bridget Flatley
<i>Pacific II</i>	Operational Control of Creative 3D Assembly Using Crisp and Fuzzy Rules Sanguk Noh
4:00-4:45 PM	Breakout Sessions, Continued
<i>Atlantic I</i>	Collaboration Between System Stakeholders Through Cucumber Roger Jones
<i>Atlantic II</i>	High-Performance Data Search in Systems with Heterogeneous Architectures. Software Platform VAR Nikolay Vasilyev
<i>Pacific I</i>	The Other Guys / Vulnerability Research in Alternative Android Web Browsers Benjamin Watson

5:30-8:00 PM <i>International IV-V</i>	<u>Dinner and Keynote Address</u> John Heimann, Oracle “Security Assurance and Agile Development – An Industry Perspective”
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Thursday October 15

7:00-8:00 AM <i>International III</i>	Buffet Breakfast For all registered attendees and presenters
8:00-8:45 AM	Breakout Sessions
<i>Atlantic II</i>	Increasing Market Share with Open Source Solutions Marcus Edwards
<i>Pacific I</i>	Increase Software Security and Safety by Enabling C++ Deterministic Memory Control Thomas Bettens
<i>Pacific II</i>	SWECOM and SWECAT: Assessing Software Engineering Competencies Dick Fairley, Massood Towhidnejad
8:45-9:30 AM	Breakout Sessions, Continued
<i>Atlantic I</i>	DevOps for Federal Acquisition Richard Cagle, Tim Rice, Michael Kristan
<i>Atlantic II</i>	Quantitative Risk Assessment for Open Source Software Components Integration Celia Chen, Lin Shi, Kamonphop Srisopha
<i>Pacific I</i>	Benefits of Deploying Inherently Secure Nodes Within a Distributed System Howard Reubenstein, Joseph Fahey, Gregory Sullivan, David Wittenberg
<i>Pacific II</i>	Better LATE than NEVER: Educating the Non-IT Executives on THEIR Cyber Security Responsibilities Michael Donohoe, Russell Mattern
10:00-11:30 AM <i>International IV-V</i>	<u>Keynote Address:</u> Jeff Voas, NIST “Like Olives, 3rd Party Software Has Pits”

Thank you for joining us for 2015 IEEE STC