

Strategic Directions in Software at Scale (S@S)

8/18-19/2010

<http://chess.eecs.berkeley.edu/conferences/10/SDISAS>

Day 1: Wednesday

8:00 am to 8:30 am	Continental Breakfast
8:30 am to 9:00 am	Workshop Goals, Michael May , DDR&E/IS, OSD Workshop Organization, Edward Lee , Berkeley
9:00 am to 9:40 am	<i>Critical Scalability Issues</i> , Rich Turner , Stevens
9:40 am to 10:20 am	<i>From Formal Verification to Synthesis</i> , Rajeev Alur , Penn
10:20 am to 10:40 am	Break
10:40 am to 11:20 am	Catch up
11:20 am to 12:00 pm	<i>Is Distributed Consistency Scalable?</i> Ken Birman , Cornell
12:00 pm to 1:00 pm	Working Lunch
1:00 pm to 1:40 pm	<i>Temporal Semantics</i> , Vijay Saraswat , IBM
1:40 pm to 2:20 pm	<i>Synthesis of Provably-correct Software using Discrete Control Theory</i> , Yin Wang , HP Labs
2:20 pm to 3:00 pm	<i>Quantitative verification and synthesis of systems</i> , Sanjit Seshia , Berkeley
3:00 pm to 3:30 pm	Break
3:30 pm to 4:10 pm	<i>Control software for Systems with Changing Structure</i> , Raja Sengupta , Berkeley
4:10 pm to 5:00 pm	<i>Software Synthesis</i> , Jeffrey Foster , Maryland
5:00 pm to 5:30 pm	Wrap up discussion and consensus building, Edward Lee , Berkeley
6:00 pm to 8:00 pm	Reception and Dinner, The Faculty Club

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Day 2: Thursday

8:00 am to 8:30 am	Continental Breakfast
8:30 am to 9:10 am	<i>Scalable Composition,</i> Janos Sztipanovits , Vanderbilt
9:10 am to 9:50 am	<i>Scalable Methods for Managing Uncertainty in Design of Networked Embedded Systems,</i> Andrzej Banaszuk , UTRC
9:50 am to 10:30 am	<i>Process and Methodology,</i> Lee Osterweil , Amherst
10:30 am to 10:50 am	Break
10:50 am to 11:30 am	<i>Opportunity-Centered Software Development Environments,</i> Kevin Sullivan , Virginia and SEI
11:30 am to 12:10 pm	<i>Reliability and Robustness of Large-Scale Systems,</i> John Goodenough , SEI, CMU
12:10 pm to 1:00 pm	Working Lunch
1:00 pm to 1:40 pm	Tweets (Five Minute Madness): <i>How do we handle "real" complexity (and how much does it matter)?,</i> Brian Murray , UTRC <i>Leadership challenges for SaS development,</i> Edgar Dalrymple , US Army <i>Virtualization and Isolation for CPS,</i> Christoph Kirsch , University of Salzburg
1:40 pm to 2:20 pm	<i>Computer Aided Programming,</i> Armando Solar-Lezama , MIT
2:20 pm to 3:00 pm	<i>The Effect of Software (and Communication) Reliability and Security on Control Systems,</i> Bruno Sinopoli , CMU
3:00 pm to 3:30 pm	Break
3:30 pm to 4:10 pm	<i>Temporal Semantics,</i> Edward A. Lee , Berkeley
4:10 pm to 5:00 pm	<i>Catch up.</i>
5:00 pm to 5:30 pm	Wrap up discussion