

Ninth Biennial Ptolemy Miniconference

February 16, 2010

<http://ptolemy.eecs.berkeley.edu/ptconf>

8:00 am to 8:30 am	Continental Breakfast
8:30 am to 8:45 am	Opening Remarks, Edward Lee (<i>Berkeley</i>)
8:45 am to 9:10 am	<i>Distributed Execution Architectures in Kepler</i> Jianwu Wang , Daniel Crawl, Ilkay Altintas, Chad Berkley, & Matthew B. Jones (<i>San Diego Supercomputer Center and UC Santa Barbara</i>)
9:10 am to 9:35 am	<i>Modeling Distributed Real-Time Systems with Ptolemy II</i> , Patricia Derler , Jia Zou, Slobodan Matic, John Eidson (<i>Berkeley</i>)
9:35 am to 9:55 am	<i>Semantics of Modal Models in Ptolemy</i> , Stavros Tripakis & Edward A. Lee (<i>Berkeley</i>)
9:55 am to 10:15 am	Break
10:15 am to 11:10 am	<i>Static Analysis using the Ptolemy II Ontologies Package</i> , Charles Shelton , Elizabeth Latronico, & Ben Lickly (<i>Bosch & Berkeley</i>)
11:10 am to 11:35 am	<i>To Meet or Not to Meet the Deadline</i> , Jan Reineke , Isaac Liu, Gage Eads, Stephen Edwards, Sungjun Kim, Hiren Patel (<i>Berkeley, Columbia, Waterloo</i>)
11:35 am to 12:15 pm	<i>Poster Tweets</i>
12:15 pm to 2:30 pm	Working Lunch and Poster Session
2:30 pm to 2:55 pm	<i>The Dataflow Interchange Format: Towards Co-Design of DSP-oriented Dataflow Models and Transformations</i> , Shuvra S. Bhattacharyya (<i>Univ. of Maryland</i>)
2:55 pm to 3:20 pm	<i>Workflow Recovery for Different Models of Computation and Models of Provenance</i> , Sven Koehler , Bertram Ludaescher, Timothy McPhillips, Anandarup Sarkar (<i>UC Davis</i>)
3:20 pm to 3:45 pm	<i>Design, Analysis, and Implementation of Static Dataflow Models for Hardware Targets</i> , Kaushik Ravindran et. al , (<i>National Instruments</i>)
3:45 pm to 4:00 pm	Break
4:00 pm to 4:25 pm	<i>Kepler/G-Pack: A Kepler Package Using the Google Cloud for Interactive Scientific Workflows</i> , Gongjing Cao, Lei Dou, Quinn Hart, Bertram Ludaescher , (<i>UC Davis</i>)
4:25 pm to 4:50 pm	<i>Context Aware Actors</i> , Anne H.H. Ngu & George Chin Jr. (<i>Texas State Univ. & Pacific NW National Lab</i>)
4:50 pm to 5:15 pm	<i>Modular Code Generation</i> , Dai Bui & Stavros Tripakis (<i>Berkeley</i>)
5:15 pm to 5:30 pm	<i>Concluding Remarks</i> , Edward A. Lee (<i>Berkeley</i>)
6:00 pm to 8:00 pm	Reception and Dinner, The Faculty Club

Posters		
Dai Bui, Stavros Tripakis, Chris Shaver	Berkeley	<i>Multidimensional Dataflow Models</i>
Yasemin Demir	Berkeley	<i>JOGL : 3D Graphics Domain in Ptolemy II</i>
Shanna-Shaye Forbes	Berkeley	<i>Error Handling in Model-Based design for Real-Time Systems</i>
Soheil Ghiasi	UC Davis	<i>Malleable Dataflow Specification: An Essential Ingredient for Resource-Scalable Implementations</i>
Jeff Jensen, Jia Zou, and Slobodan Matic	Berkeley	<i>The Tunneling Ball Device (TBD) Test Case for Real-Time Systems</i>
Isaac Liu, Jan Reineke	Berkeley	<i>A PRET Architecture Supporting Concurrent Programs with Composable Timing Properties</i>
Slobodan Matic, Ilge Akkaya, and John Eidson	Berkeley	<i>The Distributed Power System Test Case for Distributed Real-Time Systems</i>
Christian Motika, Hauke Fuhrmann, Miro Spönemann Reinhard von Hanxleden	Kiel University	<i>KIELER Actor Oriented Modeling</i>
Deepak Shankar	Mirabilis	<i>Using Ptolemy/VisualSim for Internet-based model Sharing and Communication.</i>
Chris Shaver	Berkeley	<i>Alternative Syntactic Representations of Graph-Based Models</i>
Elizabeth Latronico, Charles Shelton, Ben Lickly	Bosch & Berkeley	<i>Lattice Composition for Ontology Analysis</i>
Ben Lickly, Charles Shelton, Elizabeth Latronico	Bosch & Berkeley	<i>Practical Ontologies with Infinite Lattices</i>
Andreas Thuy	University of Paderborn	<i>Towards flexible and robust cyber-physical-systems through self organization</i>
Stavros Tripakis, Marc Geilen, Maarten Wiggers	Berkeley, TU Eindhoven	<i>The Earlier the Better: A Theory of Timed Actor Interfaces</i>
Mike Wirthlin	Brigham Young University	<i>Automated Bit-Width Analysis Using Ptolemy</i>
Michael Zimmer	Berkeley	<i>IEEE 1588 Time Synchronization for Real-Time Distributed Systems</i>
Jia Zou, Slobodan Matic, John Eidson	Berkeley	<i>From PTIDES to PtydyOS: Programming Distributed Real-Time Embedded Systems</i>