

TUTORIAL DAY: Tuesday, 27-Sep-2016	
8:00am - 8:45am	Registration
8:45am - 9:15am	Bus from La Residencia to IMDEA Software
9:15am - 9:30am	Tutorial Overview
9:30am - 11:00am	Tutorials 1 and 2 (parallel sessions) – Part 1
	<p>Tutorial 1 (part 1): Borzoo Bonakdarpour and Bernd Finkbeiner <i>Runtime Verification for HyperLTL</i></p> <p>Tutorial 2 (part 1): Nikolai Kosmatov and Julien Signoles <i>Frama-C, a Collaborative Framework for C Code Verification</i></p>
11:00am - 11:30am	Coffee break
11:30am - 1:00pm	Tutorials 1 and 2 (parallel sessions) – Part 2
	<p>Tutorial 1 (part 2): Borzoo Bonakdarpour and Bernd Finkbeiner <i>Runtime Verification for HyperLTL</i></p> <p>Tutorial 2 (part 2): Nikolai Kosmatov and Julien Signoles <i>Frama-C, a Collaborative Framework for C Code Verification</i></p>
1:00pm - 2:00pm	Lunch
2:00pm - 4:00pm	Tutorials 3 and 4 (parallel sessions)
	<p>Tutorial 3: Doron Peled <i>Using Genetic Programming for Software Reliability</i></p> <p>Tutorial 4: Sylvain Hallé <i>When RV meets CEP</i></p>
4:00pm - 4:30pm	Coffee break
4:30pm - 6:30pm	Tutorial 5: Philip Daian, Dwight Guth, Chris Hathhorn, Yilong Li, Edgar Pek, Manasvi Saxena, Traian Florin Serbanuta and Grigore Rosu <i>Runtime Verification at Work: A Tutorial</i>
6:30pm - 7:00pm	BUS from IMDEA Software to La Residencia
7:30pm -	Cocktail at La Residencia

IMPORTANT NOTE

The tutorial day will take place at the IMDEA Software Institute, and **not** at La Residencia. During the tutorial day, Tuesday Sep 27, there will be a bus service that will take attendants to the IMDEA Software Institute and back:

- **8:45am:** from La Residencia to IMDEA Software
- **6:45pm:** from IMDEA Software to La Residencia

The IMDEA Software Institute can also be reached by public transportation:
See http://software.imdea.org/contact_and_directions.html

DAY 1: Wednesday, 28-Sep-2016	
8:45am - 9:00am	Welcome
9:00am - 10:00am	Invited Talk 1 Oded Maler (CNRS, France) Chair: César Sánchez <i>Monitoring: Qualitative and Quantitative, Real and Virtual, Online and Offline</i>
10:00am - 10:30am	Coffee break
10:30am - 12:15am	Session 1: Cyber-physical Systems Chair: Dejan Nickovic
	Jinghao Shi, Shuvendu Lahiri, Geoffrey Challen and Ranveer Chandra <i>Wireless Protocol Validation Under Uncertainty</i> Carlos Moreno and Sebastian Fischmeister <i>Non-Intrusive Runtime Monitoring Through Power Consumption: A Signals and System Analysis Approach to Reconstruct the Trace</i> Takumi Akazaki <i>Falsification of Conditional Safety Properties for Cyber-Physical Systems with Gaussian Process Regression</i> Andrey Yavolovsky, Milos Zefran and Prasad Sistla <i>Decision-Theoretic Monitoring of Cyber-Physical Systems (short paper)</i>
12:30am - 2:00pm	Lunch
2:00pm - 3:45pm	Session 2: Specification and Theory Chair: Bernd Finkbeiner
	David Cerna, Wolfgang Schreiner and Temur Kutsia <i>Predicting Space Requirements for a Stream Monitor Specification Language</i> Ramy Medhat, Borzoo Bonakdarpour, Sebastian Fischmeister and Yogi Joshi <i>Accelerated Runtime Verification of LTL Specifications with Counting Semantics</i> Bernd Finkbeiner, Peter Faymonville, Hazem Torfah and Sebastian Schirmer <i>Network Monitoring with Streams</i> Nicolas Rapin <i>Reactive Property Monitoring of Hybrid Systems with Aggregation (short paper)</i>
3:45pm - 4:00pm	Coffee break
4:00pm - 5:45pm	Session 3: Toolkits and infrastructures Chair: Christian Colombo
	Omar Javed, Yudi Zheng, Andrea Rosa, Haiyang Sun and Walter Binder <i>Extended Code Coverage for AspectJ-based Runtime Verification Tools</i> Sean Kauffman, Rajeev Joshi and Klaus Havelund <i>Nfer - A Logic and Infrastructure for Inferring Event Stream Properties</i> Carl Martin Rosenberg, Volker Stolz and Martin Steffen <i>Leveraging DTrace for Runtime Verification</i> Konstantin Selyunin, Thang Nguyen, Ezio Bartocci and Radu Grosu <i>Applying Runtime Monitoring for Automotive Electronic Development (short paper)</i>
6:00pm - 7:00pm	3rd International Competition on Runtime Verification
7:00pm - 7:30pm	Business meeting

DAY 2: Thursday, 29-Sep-2016	
9:00am - 10:00am	Invited Talk 2 Gul Agha (UIUC, USA) Chair: Oleg Sokolsky <i>Building Dependable Concurrent Systems Through Probabilistic Inference, Predictive Monitoring and Self-adaptation</i>
10:00am - 10:30am	Coffee break
10:30am - 12:00am	Session 4: Concurrency and Distribution Chair: Gerardo Schneider Yoriyuki Yamagata, Cyrille Valentin Artho, Masami Hagiya, Jun Inoue, Lei Ma, Yoshinori Tanabe and Mitsuharu Yamamoto <i>Runtime monitoring for concurrent systems</i> Rishi Surendran and Vivek Sarkar <i>Dynamic Determinacy Race Detection for Task Parallelism with Futures</i> Sorrachai Yingchareonthawornchai, Duong Nguyen, Vidhya Tekken Valapil, Sandeep Kulkarni and Murat Demirbas <i>Precision, Recall, and Sensitivity of Monitoring Partially Synchronous Distributed Systems</i>
12:30am - 2:00pm	Lunch
2:00pm - 3:45pm	Session 5: Specification and Theory II Chair: Martin Steffen Grigore Rosu <i>Finite-Trace Linear Temporal Logic: Coinductive Completeness</i> Jeffery Hansen, Sagar Chaki, Scott Hissam, James Edmondson, Gabriel Moreno and David Kyle <i>Input Attribution for Statistical Model Checking using Logistic Regression</i> Stefan Jaksic, Ezio Bartocci, Radu Grosu and Dejan Nickovic <i>Quantitative Monitoring of STL with Edit Distance</i> Torben Scheffel, Malte Schmitz, Fernando Macias and Rui Wang <i>Integration of Runtime Verification into Metamodeling for Simulation and Code Generation (Position Paper)</i>
4:00pm - 5:00pm	Poster Session
5:30pm - 8:00pm	Visit to El Prado Museum
8:30pm -	Banquet

DAY 3: Friday, 30-Sep-2016	
9:00am - 10:00am	Invited talk 3 Fred Schneider (Cornell, USA) Chair: Yliès Falcone <i>Why Tags Could be It?</i>
10:00am - 10:30am	Coffee break
10:30pm - 12:45pm	Session 6: Tools and tool exhibitions Chair: Klaus Havelund
	Duncan Attard and Adrian Francalanza <i>A Monitoring Tool for a Branching-Time Logic</i> Teng Zhang, Peter Gebhard and Oleg Sokolsky <i>SMEDL: Combining Synchronous and Asynchronous Monitoring</i> Lukasz Ziarek, Bharat Jayaraman, Demian Lessa and J. Swaminathan <i>Runtime Visualization and Verification in JIVE</i> Johann Schumann, Patrick Moosbrugger and Kristin Rozier <i>Runtime Analysis with R2U2: A Tool Exhibition Report</i> Giles Reger <i>An Overview of MarQ</i>
12:45pm - 2:00pm	Lunch
2:00pm - 3:30pm	Session 7: Security and Privacy Chair: Volker Stolz
	Jean Goubault-Larrecq and Jean-Philippe Lachance <i>On the Complexity of Monitoring Orchids Signatures</i> Lee Pike, Patrick Hickey, Trevor Elliott, Eric Mertens and Aaron Tomb <i>TrackOS: A Security-Aware Real-Time Operating System</i> Raúl Pardo, Christian Colombo, Gerardo Schneider and Gordon Pace <i>An Automata-based Approach to Evolving Privacy Policies for Social Networks</i>
3:30pm -	Closing remarks