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# Performability-Aware Computing: Logics, Models, and Languages

**IMT Institute for Advanced Studies, Lucca**

**June 25-26 2009**

## *Thursday 25 June*

Time	Speaker
10:00-10:30	<b>Introduction</b>
10:30 – 12:30	Strict Divergence for Probabilistic Timed Automata Angelo Troina
	Dependability Modeling and Analysis with the MARTE-DAM Profile Simona Bernardi
	Dependability Requirement Gathering in UP with the MARTE-DAM Profile Simona Bernardi
12:30-14:00	<b>lunch</b>
14:00-16:00	Uniform Logical Characterizations of Testing Equivalences for Nondeterministic, Probabilistic and Markovian Processes Marco Bernardo
	Markovian Testing Equivalence and Exponentially Timed Internal Actions Marco Bernardo
	A General Framework for Nondeterministic, Probabilistic, and Stochastic Noninterference Alessandro Aldini
16:30-18:00	"A process Algebra Approach to Fuzzy Reasoning" (Liliana D'Errico) Liliana D'Errico
	A Stochastic Logic for Mobility and Global Computing Diego Latella
	Model Checking Stochastic Logic for Mobility Michele Loreti

## *Friday 26 June*

Time	Speaker
9:00-11:00	Model-based feedback for software performance improvement Catia Trubiani
	Non-functional analysis of mobile context-aware software systems Vittorio Cortellessa
11:00 – 12:00	Performance evaluation in a Process Algebra with read-actions Maria Rita Di Berardini
	FASE: a tool for worst-case evaluation Federico Buti
	Ongoing work Paco@Unicam Luca Tesei