Verification and Validation of Planning and Scheduling Systems (VVPS)

Organizers: Saddek Bensalem, Klaus Havelund, Andrea Orlandini
Date and Location: June 13, 2011, Hall 101-01-009/013 Computer Science Campus

09:00–10:00	**Invited Talk:** *Policy Learning for Autonomous Feature Tracking* Maria Fox
10:00–10:30	*Directed Search for Generalized Plans Using Classical Planners* Siddharth Srivastava, Neil Immerman, Shlomo Zilberstein, Tianjiao Zhang

Coffee Break

11:00–11:30	*Synthesizing and Verifying Plans for Constrained Workflows:* *Transferring Tools from Formal Methods* Jason Crampton, Michael Huth
11:30–12:00	*Generating Controllers for Flexible Plan Execution: a TGA Approach* Andrea Orlandini, Alberto Finzi, Amedeo Cesta, Simone Fratini
12:00–12:30	*A Loop Acceleration Technique to Speed Up* *Verification of Automatically-Generated Plans* Robert P. Goldman, Michael Pelican, David Musliner

Lunch Break

14:00–14:30	*Predicting Atomicity Violations in Concurrent Programs via Planning* Niloofar Razavi, Azadeh Farzan, Sheila McIlraith
14:30–15:00	*A Critical Overview and Open Questions for Temporal Planning with Uncertainty* Rosella Gennari, Anna Roubickova, Marco Roveri
15:00–15:30	*Formally Ensuring Time Constraints in a Development Process* Ilias Garnier, Christophe Aussaguès, Vincent David, Guy Vidal-Naquet

Coffee Break

16:00–17:30	**Special Session *"Darmstadt, we have a problem"* –** **Open Discussion about a Planning Domain** **Inspired by an ESA Robotic Mission**