2016 1st CPSWeek Workshop on Declarative Cyber-Physical Systems (DCPS 2016)

Vienna, Austria
12 April 2016
Table of Contents

Message from the Chair..............................................................................................................iv
Program Committee..................................................................................................................v
Keynote Abstract........................................................................................................................vi

TECHNICAL PROGRAM

7:45am Registration starts

10:00am-11:00pm Keynote:

Models, Over-approximations and Robustness.....N/A
Eugenio Moggi

11:00pm-12:00pm Session 1:

P-FRP Task Scheduling: A Survey.....1
Xingliang Zou, Albert Cheng and Yu Jiang

Real-time Capabilities in Functional Languages.....9
Jeffrey Murphy, Bhargav Shivkumar and Lukasz Ziarek

12:00pm-1:30pm Lunch

1:30pm-3:30pm Session 2:

Architecture for Logic Programming with Arrangements of Finite-State Machines.....19
Vlad Estivill-Castro, Rene Hexel and Alberto Ramirez-Regalado

Dependability Assessment of Networked Embedded Software Systems.....27
Kaliappa Ravindran

Open Discussions on Declarative CPS

3:30pm-4:00pm Coffee/Tea

4:00pm-6:00pm CPSWeek Poster Session

6:00pm-8:00pm CPS Community Forum