



Seventh Project Meeting

21-23 November, 2011

VENUE

Room "POSLUCHÁRNA" (5th floor)
Institute of Mathematics
Žižkova 22, Brno, Czech Republic

PROGRAM

Monday November 21

9:00 - 10:30 WP3 - Control – J. H. van Schuppen (Chair)

- MAU: Reduced communication for decentralized DES under bounded delay (L. Ricker) [30 min]
- INR: Distributed A-star (L. Jezequel and E. Fabre) [30 min]
- CAS: Coordination control of discrete-event systems (T. Masopust) [30 min]

10:30 - 11:00 Coffee Break

11:00 - 12:30 WP3 - Control – J. H. van Schuppen (Chair)

- CWI: Application of coordination control to paint factory (O. Boutin) [30 min]
- TUB: Coordinated and decentralized control in a diod setting (X. David-Henriet) [30 min]
- UNIZAR: The control of Resource Allocation Systems: from a control engineering perspective to a computer science view (J.M. Colom) [30 min]

12:30 - 14:00 Lunch

14:00 - 15:00 WP3 - Control – J. H. van Schuppen (Chair)

- CAS: Hierarchical control with partial observations of modular DES (TO BE CONFIRMED) (J. Komenda) [30 min]
- CWI: Hierarchical control of DES. Guide to algorithms and programs (J. van Schuppen) [30 min]

15:00 - 15:30 Coffee Break

15:30 - 17:00 WP0 - Management – A. Giua (Chair)

- Final assessment of Partner's activity [8-10 min for each partner]

19:30 *Dinner*

- Restaurant "U Lucerny", Slovákova 2, Brno (<http://www.ulucerny.cz/kontakt.html>)
[<1km from the Institute, close to the hotel and city center]

Tuesday November 22

09:00 - 10:30 *WP4 - Software platform - A. Solinas (Chair)*

- AKH: State of advancement of the DISC software platform (A. Solinas) [45 min]
- AKH: Use of the software platform for the ABS case study (A. Solinas) [45 min]

10:30 - 11:00 *Coffee Break*

11:00 - 12:30 *WP5 - Case studies – J. Raisch (Chair)*

- TUB: Feedback control of HTS systems – Monolithic and Distributed Solutions (T. Brunsch) [45 min]
- UNICA: Diagnosability analysis of an ABS system modeled using Petri nets (M.P. Cabasino) [45 min]

12:30 - 14:00 *Lunch*

14:00 - 14:30 *WP5 - Case studies – J. Raisch (Chair)*

- UGent: Statistical validation of fluid flow models and their use for control of urban traffic (H. Sutarto and R. Boel) [30 min]

14:30 - 15:30 *WP2 – Fault detection and observers – R. Boel (Chair)*

- UNICA: Optimal sensor selection for ensuring diagnosability in Petri nets (C. Seatzu) [30 min]
- UGent: State observers for timed Petri nets: extensions to hybrid systems (R. Boel) [30 min]

15:30 - 16:00 *Coffee Break*

16:00 - 17:00 *DISC Book – C. Seatzu (Chair)*

17:00 - 19:00 *Social program: Mendel museum*

19:30 *Dinner*

- Restaurant "U Kralovny Elisky", Mendlovo náměstí 1b, Brno (<http://www.ukralovnyelisky.cz>)
[<2km from the Institute, next to the Basilica of Assumption and to Mendel museum]

Wednesday November 23

09:00 - 10:00 *Final assessment of WP1 to WP6 [10 min for each WP leader]*

10:00 - 11:00 *General assembly*

11:00 - 11:30 *Coffee Break*

11:30 - 13:00 *Preparation of the final review meeting – A. Giua (Chair)*

13:00 - 14:30 *Lunch*