

First Day – Saturday, June 21, 2014

Linking Models to Experiments

09:00 – 09:10 Welcome
Christos Georgakis and Dominique Bonvin

Morning Session:

Dominique Bonvin, EPFL, Switzerland
Developer and Chair

09:10 – 09:55 **Experimental Data and Knowledge -Driven Models**
Sandro Macchietto, Imperial College, London, UK

09:55 – 10:40 **Experimental Data and Data-Driven Models**
Christos Georgakis, Tufts University, Medford, MA, USA

10:40 – 11:10 **Coffee break**

11:10 – 13:00 **Short presentations and general discussion**
Participants

Moderator: Dominique Bonvin, EPFL, Switzerland

13:00 – 14:30 **Lunch break**

Afternoon Session:

Dominique Bonvin, EPFL, Switzerland
Coordinator and Synthesizer

14:30 – 15:30 **Detailed Definition of Unsolved Problems**
Break out sessions in groups of 6

15:30 – 16:00 **Coffee break**

16:00 – 16:30 **Reporting back to all participants**

16:30 – 19:30 **Free time**

19:30 – Bus Departure for Heraklion (participation is optional)

20:00 – 22:30 Promenade and individual dinners in local restaurants

22:30 Bus Departs for Hotel

Second Day – Sunday, June 22, 2014

Network Control

09:00 — 09:10 Good morning
Christos Georgakis and Erik Ydstie

Morning Session:

Erik Ydstie, CMU, Pittsburgh, USA
Developer and Chair

09:10 — 09:55 **An industrial perspective of networked control**
Alf Isakson, ABB, Sweden

09:55 — 10:40 **Challenges for control in the big data era - an academic perspective**
Riccardo Scattolini, Polytechnico di Milano, Milano, Italy

10:40 — 11:10 **Coffee break**

11:10 — 13:00 **Short presentations and general discussion**
Participants

Moderator: Erik Ydstie, CMU, Pittsburgh, USA

13:00 — 14:30 **Lunch break**

Afternoon Session:

Erik Ydstie, CMU, Pittsburgh, USA
Coordinator and Synthesizer

14:30 — 15:30 **Detailed Definition of Unsolved Problem**
Break out sessions in groups of 6

15:30 — 16:00 **Coffee break**

16:00 — 16:30 **Reporting back to all participants**

16:30 — 20:30 **Free time**

20:30 — 23:00 **First Informal Banquet - Barbeque**
Platform by the sea, in Hotel

Third Day – Monday, June 23, 2014

A Systems View of the Energy Challenge

09:00 – 09:10 **Good Morning**
Christos Georgakis and Mike Doherty

Morning Session:

Mike Doherty, UCSB, Santa Barbara, CA, USA
Developer and Chair

09:10 – 09:55 **Challenges for the Chemical Industry**
John Pendergast, Fellow, Performance Materials,
The Dow Chemical Company, USA

09:55 – 10:40 **Process system engineering and the energy transition**
François Maréchal, EPFL, Lausanne, Switzerland

10:40 – 11:10 Coffee break

11:10 – 13:00 Short presentations from the audience and general discussion
Moderator: Mike Doherty, UCSB, Santa Barbara, CA, USA

13:00 – 14:30 Lunch break

Afternoon Session:

Mike Doherty, UCSB, Santa Barbara, CA, USA
Coordinator and Synthesizer

14:30 – 15:30 **Detailed Definition of Unsolved Problem**
Break out sessions in groups of 6

15:30 – 16:00 Coffee break

16:00 – 16:30 **Reporting back to all participants**

16:30 – 20:30 **Free time**

20:30 – 23:00 Second Formal Banquet
Fondana Restaurant in Hotel