Industry Participation

Brochure

&

Program of Industry Days

July 5-6, 2005

Version 05-06-15

Introduction

Promoting industry participation at the 16th IFAC Congress was one of the key efforts made by the International Program Committee and sub-Committee members when preparing the program.

IPC and sub-IPC members having links to partners from industry contacted leading manufacturers of automation technology, including manufacturers of hardware, software and solutions, R&D companies specialized in certain field of automation and end users of this technology. The applied areas, where our effort was successful, are automotive industry, transportation and process control, namely control of chemical processes including steel manufacturing, pulp & paper and mineral processing.

We contacted primarily the companies conducting basic and applied research in cooperation with universities and academia. These projects are not necessarily company confidential and represent rather long term interests. Industrial partners were either willing to present their achievements or alternatively gave rights to the academic partners to write the paper on their behalf. Coordinators of specific European Frameworks projects were asked to cooperate, when assembling the industry-oriented sessions, as topics they treat have high innovative grade and are not confident. In addition, these projects represent a long-term research and development, which is of an interest to Congress participants.

We offered industry to participate in the following congress activities:

- Plenary papers with industrial relevance from industrial authors
- Case study papers (double length) as success stories
- Invited sessions with successful applications
- Survey papers on emerging areas
- Panel discussions on up-to-date topics with industrial participation
- Exhibition
- Sponsorship

An effort was made to get:

Survey papers presenting state of the art in the selected area focusing on well established and proven (control, simulation, optimization, …) techniques sending a message to academics which area does not urgently need further research.

Presentation of open and practically important problems having no good solution yet was particularly welcome. The report was expected namely from end-users of automation rather than from manufacturers and solution providers. There are companies looking for this opportunity to express their needs as they believe that no existing solution satisfy their requirements.

Passive participation was also welcome. We expect that the most attractive events for industrial partners will be plenary and semi-plenary sessions, panel sessions including those prepared by IFAC Coordinating Committees as milestones, survey papers, application oriented papers and pre-Congress Tutorials and Workshops.

The program was organized such that the sessions containing above-mentioned papers are sequenced. However, this rule couldn't be satisfied completely due to high number of contributions so some overlapping was inevitable.

Participants from academia should be interested in attending the presentations by industrials to learn about:

- practically important open problems
- proven techniques and modern technology available
- visions

Let's summarize statistical data to assume industry involvement in setting up the program. There are 2456 papers, out of 3250 papers submitted and reviewed, that were accepted for the congress technical program. The accepted papers were written by 5162 authors and 358 of them come from industry.

Number of different companies per country contributing to the program is also significant as can be seen from the next table.

Country	Number of companies with a paper	Country	Number of companies with a paper
Japan	22	India	3
United States	21	Norway	3
Germany	19	Portugal	3
Italy	19	Sweden	3
France	11	Switzerland	3
Czech Republic	9	Brazil	2
Finland	9	Poland	2
Korea	8	Russia	2
Netherlands	8	Australia	1
Austria	6	Belgium	1
United Kingdom	6	Hungary	1
Denmark	5	Macedonia	1
Canada	4	Romania	1
		Singapore	1
		Slovakia	1
		Spain	1

This brochure contains the schedule of paper presentations fully or partially prepared by companies. The tables are organized by Congress days and the companies are sorted in the alphabetic order and then by presentation time so the participants can easily find their favorites.

The core of the Industry Day program is built upon plenary sessions, semi-plenary sessions, panel discussions and invited technical sessions, organized by the IFAC Coordinating Committees (CC) on

- Mechatronics, Robotics and Components (CC4)
- Manufacturing and Logistic Systems (CC5)
- Process and Power Systems (CC6)
- Transportation and Vehicle Systems (CC7)

Special sessions called *Milestones* are mentioned in the program summary tables on page 7 and 8 of this brochure. Milestone is a panel discussion where a status report, prepared by an IFAC Coordinating Committee, monitoring the latest developments and also visions in the area specific to the particular committee is presented and discussed. Four of the Coordinating Committees, CC4, CC5, CC6 and CC7 will have an opportunity to present and discuss their reports during Congress Industry Days.

Tables provided on next pages give an overview of industry participation at the 16th IFAC World Congress and introduce sessions specially organized as part of Industry Days technical program. The highest concentration of industry related presentations are organized on Tuesday and Wednesday. That is why these are called Industry Days.

Tuesday program is focused on Automotive, Mechatronics and Robotics. Process control field is represented by presentations on metal processing and mining. Wide selection on process control papers can be found in poster sessions.

Wednesday program deals more with Control of Processes.

For the location of individual sessions and presentations please consult the detailed daily program brochures. More information about sessions and presentations including abstracts and keywords can be found electronically through www.ifac.cz powered with a search engine.

Prague, June 1, 2005

Petr Horacek
co-Chair of the International Program Committee

Time	3-July-2005 Sunday	4-July-2005 Monday	5-July-2005 Tuesday	6-July-2005 Wednesday	7-July-2005 Thursday	8-July-2005 Friday
			industry days			
08:30–09:50		**R. Kalman** ETH Zurich	**S. Chand** Rockwell Automation	**M. Bruns** Siemens	**N. Cox** NASA JPL	**M. Athans** TU Lisboa
09:50–10:20		*Coffee Break*				
10:20–11:40		Oral & Poster Sessions	**R. Isermann** TU Darmstadt	Oral & Poster Sessions, Panel	Oral & Poster Sessions	Oral & Poster Sessions
11:40–12:30		*Lunch*	Oral & Poster Sessions, Panel	*Lunch*		
12:30–13:50		Oral & Poster Sessions, Milestone Session 1	*Lunch*	Oral & Poster Sessions, Milestone Session 5, Panel	Oral & Poster Sessions, Milestone Session 3	Oral & Poster Sessions, Milestone Session 9
13:50–14:20		*Coffee Break*	Oral & Poster Sessions, Milestone Session 4	*Coffee Break*		
14:20–15:40		Oral & Poster Sessions, Milestone Session 2	*Coffee Break*	Oral & Poster Sessions, Milestone Session 6, Panel	Oral & Poster Sessions, Milestone Session 8	**Closing Ceremony** incl. Awards
15:40–16:30		**M. Morari** ETH Zurich **J. Bokor** HAS Budapest	Oral & Poster Sessions, Milestone Session 7	**V. Havlena** Honeywell **I. Mareels** Uni Melbourne		
16:30–17:00	**Opening Ceremony** incl. Awards announcement					

The following legend is inevitable fore someone who wants to orient himself/herself in the Congress program quickly. The Session and Paper Codes are used throughout all the program tables and the database.

Session Code format:

Day - Time slot & Room number – Session type

Day:

Mo/Tu/We/Th/Fr

Monday/Tuesday/Wednesday/Thursday/Friday

Time slot:

M	Morning (10:00-12:00) except for Tuesday
A	Afternoon (13:00-15:00) except for Tuesday
E	Evening (15:30-17:30) except for Tuesday

Room number:

##	one of 22 rooms available for parallel sessions

Session type:

PL	Plenary
SP	Semi-Plenary
TO	Technical Oral (regular/invited)
TP	Technical Poster
PD	Panel Discussion
MS	Milestone Session

Example: Mo-A03-TP

Regular Poster Session, Monday afternoon

Paper Code format:

Session Code / Paper Order in Session

Example: Mo-M03-TO/1

First presentation in the session {Mo-M03-TO}

Paper order in a poster session is insignificant

To find details about sessions and individual presentations please refer to Monday, Tuesday, Wednesday and Friday Congress Program brochures.

Room Name	Floor	Code	Used for
Congress Hall	1&2		Opening Ceremony
Forum Hall Foyer	2		Welcome Party
Conference Hall Foyer			Welcome Party
Forum Hall	2		Closing Ceremony
Conference Hall	4		IFAC General Assembly

Forum Hall	2	♣	**Plenaries**
Meeting Hall I	1	♦	**Semi-Plenaries**
Panorama Hall	1	♠	**Semi-Plenaries**
North Hall	2	●	Poster Sessions
Chamber Hall	3	1	**Milestones** **Panels**
Club H	1	2	**Panels** Regular Sessions
Terrace 2	2	3	Regular Sessions
Club A	1	4	Regular Sessions
Club E	1	5	Regular Sessions
Small Theatre	0	6	Regular Sessions
Terrace 1	2	7	Regular Sessions
Club B	1	8	Regular Sessions
Club D	1	9	Regular Sessions
Club C	1	10	Regular Sessions
Meeting Room 2.2	2	11	Regular Sessions
Meeting Room 4.1	4	12	Regular Sessions
Meeting Room 4.2	4	13	Regular Sessions
Meeting Room 1.1	1	14	Regular Sessions
Meeting Room 2.3	2	15	Regular Sessions
Meeting Room 3.1	3	16	Regular Sessions
Meeting Room 3.2	3	17	Regular Sessions
Meeting Room 3.3	3	18	Regular Sessions
Meeting Room 4.3	4	19	Regular Sessions
Meeting Room 2.1	2	20	Regular Sessions
Meeting Room 3.4	3	21	Regular Sessions
Meeting Room 3.5	3	22	Regular Sessions

Tuesday July 5, 2005 Industry Day Sessions	Area	Poster	Invited	08:30 - 09:30 10:00 - 11:00	11:00 - 13:00	14:00 - 16:00	16:30 - 18:30	Page (refers to Tuesday Brochure)
					Room Code			
Plenary – S. Chand: From Electric Motors to Flexible Manufacturing				♣				**1**
Plenary – R. Isermann: Mechatronic Systems				♣				**2**
Panel – Collaborating Robotic Systems	4.3.		**X**		**01**			**5**
Milestone – Mechatronics, robotics and components	4.					**01**		**3**
Milestone – Transportation systems	7.						**01**	**4**
Automotive Mechatronics	4.2.		**X**		**16**			43
Programmable Devices and Embedded Systems	4.1.		**X**			**15**		88
Mechatronic Control of Motors	4.2.						**16**	137
Telematics	3.3.		**X**				**15**	135
Real Time Optimization and Control of Process and Energy Systems	6.1.		**X**		**06**			28
Rolling Mills I	6.2.		**X**			**06**		76
Hot Rolling	6.2.		**X**				**18**	139
Technology in Mining and Metal Processing Industry	6.2.	**P**			●			13
Process Control Applications	6.1.	**P**				●		63
Learning and Adaptive Control of Mechanical Structures	1.2.		**X**				**20**	142

See pages 34 and 35 of this brochure for the list of IFAC Technical Areas shown in the second column.

See page 6 for the *Session Room Code* mentioned in the above table.

Page number shown in the last column refers to the Congress brochure with a program of the second Congress day, i.e. Tuesday, July 5, 2005.

Wednesday July 6, 2005 Industry Day Sessions	Area	Poster	Invited	08:30 - 09:30	10:00 - 12:00	13:00 - 15:00	15:30 - 17:30	17:30 - 18:30	Page (refers to Wednesday Brochure)
					Room Code				
Plenary – M. Bruns: Some Trends in Industrial Automation				♣					**1**
Semi-Plenary – V. Havlena: A Distributed Automation Framework for Plantwide Control								♦	**2**
Semi-Plenary – I. Mareels: Irrigation Systems								♠	**3**
Milestone – Manufacturing systems	5.					**01**			**4**
Milestone – Industrial systems	6.						**01**		**5**
Panel – Infotronic Technologies for e-maintenance regarding the cost aspects	4.4.				**01**				**6**
Panel – Industrial Perspectives on Process Control	6.1.					**03**			**7**
Advances in Automation in Pulp Industry	6.1.		**X**		**20**				49
Advances in Automation in Paper Making Industry	6.1.		**X**			**20**			93
Advanced Manufacturing Plant Control	5.1.		**X**		**07**				31
Adaptive Integrated Driver-Vehicle Interface-AIDE	4.1.		**X**			**07**			73
Industrial Applications of Process Control	6.1.		**X**		**06**				29
Steel Mills, Sintering, Furnaces and Converters	6.2.		**X**		**22**				51
Rolling Mills II	6.2.					**21**			95
Mineral Processing	6.2.					**22**			97
Aircraft Turbofan Engine Control	7.3.		**X**				**22**		141
Holonic and Agent-based	5.4.		**X**				**06**		114

Wednesday July 6, 2005 Industry Day Sessions	Area	Poster	Invited	08:30 - 09:30	10:00 - 12:00	13:00 - 15:00	15:30 - 17:30	17:30 - 18:30	Page (refers to Wednesday Brochure)
Control									
Micro-Electro-Mechanical Systems	4.1.						**21**		139
Mechatronic Applications	4.2.	**P**				●			68
Mechatronic Sensing and Actuation	4.2.						**18**		133

Accompanying Event:

Rockwell Automation and Advanced Technology	**12:00 – 13:00** lunch time	Chamber Hall	142

See pages 34 and 35 of this brochure for the list of IFAC Technical Areas shown in the second column.

See page 6 for the *Session Room Code* mentioned in the above table.

Page number shown in the last column refers to the Congress brochure with a program of the third Congress day, i.e. Wednesday, July 6, 2005.

List of companies involved in presentations

ABB Automation Technologies AB - Robotics	Sweden	Mo-A02-TP/11
ABB Corporate Research, Ladenburg	Germany	Mo-A06-TO/1
Amsterdam Water Supply	Netherlands	Mo-M01-TP/6
ASTI Control S.A, Bucharest	Romania	Mo-A02-TP/3
Atlas Copco Compressor Int. Slovakia	Slovakia	Mo-A03-TP/3
BASF Aktiengesellschaft, Ludwigshafen	Germany	Mo-A06-TO/1
Centre Technique Renault	France	Mo-E20-TO/5
Delphi Diesel Systems	France	Mo-A05-TO/3
Deutsche BP AG	Germany	Mo-A03-TO/1
DHV water BV	Netherlands	Mo-M01-TP/6
Firmenich SA	Switzerland	Mo-M01-TP/8
Ford Motor Company	United States	Mo-A21-TO/3
GE Global Research	United States	Mo-A17-TO/2
Hartwall Ltd	Finland	Mo-M01-TP/5
Hitachi Global Storage Technologies	United States	Mo-M16-TO/1
IAV GmbH	Germany	Mo-A05-TO/4
IMV CORPORATION	Japan	Mo-A02-TP/14
Kulicke @ Soffa Industries, Inc.	United States	Mo-M07-TO/5
Kumamoto Technology Inc.	Japan	Mo-E16-TO/5
Kybertec, Ltd.	Czech Republic	Mo-E18-TO/5
Magneti Marelli Powertrain	Italy	Mo-E20-TO/3
Novozymes A/S Bagsvaerd	Denmark	Mo-A06-TO/2
Optimal Synthesis Inc, Palo Alto	United States	Mo-A02-TO/3
PARADES	Italy	Mo-E20-TO/3
Philips Applied Technologies	Netherlands	Mo-A16-TO/4
PSA Peugeot-Citroën	France	Mo-M04-TO/2
RIKEN	Japan	Mo-A22-TO/1
RIKEN	Japan	Mo-M08-TO/5
Samsung Electronics Co. Ltd.	Korea	Mo-M10-TO/3
Samsung Electronics Co. Ltd.	Korea	Mo-A03-TP/12
Satra, Ltd.	Czech Republic	Mo-E18-TO/5
Scania	Sweden	Mo-E20-TO/2
SDA Bocconi	Italy	Mo-A12-TO/2
Siemens Automotive	Canada	Mo-E14-TO/4

SINTEF IKT	Norway	Mo-A04-TO/4
State Researsh & Production Rocket-Space Center	Russia	Mo-E02-TO/4
STMicroelectronics Catania site	Italy	Mo-E13-TO/4
Swedish Defence Research Agency	Sweden	Mo-M03-TO/4
Syncrude Canada Ltd.	Canada	Mo-A21-TO/6
Telerobot srl	Italy	Mo-M19-TO/3
TEPCO SYSTEMS CORPORATION	Japan	Mo-A09-TO/2
Volvo Cars	Sweden	Mo-A17-TO/1
Volvo Cars	Sweden	Mo-E17-TO/1
Volvo Technology Corporation	Sweden	Mo-M14-TO/5
Yokogawa Electric Corporation	Japan	Mo-M07-TO/4

See page 5 for the explanation of the *Paper Code* given in the third column of the above table.

List of scheduled presentations with industry involvement

(refer to Monday Program Brochure for details)

Monday, July 4, 10:00 – 12:00

Hartwall Ltd	Finland	Mo-M01-TP/5
DHV water BV	Netherlands	Mo-M01-TP/6
Amsterdam Water Supply	Netherlands	Mo-M01-TP/6
Firmenich SA	Switzerland	Mo-M01-TP/8
Swedish Defence Research Agency	Sweden	Mo-M03-TO/4
PSA Peugeot-Citroën	France	Mo-M04-TO/2
Yokogawa Electric Corporation	Japan	Mo-M07-TO/4
Kulicke @ Soffa Industries, Inc.	United States	Mo-M07-TO/5
RIKEN	Japan	Mo-M08-TO/5
Samsung Electronics Co.	Korea	Mo-M10-TO/3
Volvo Technology Corporation	Sweden	Mo-M14-TO/5
Hitachi Global Storage Technologies	United States	Mo-M16-TO/1
Telerobot srl	Italy	Mo-M19-TO/3

Monday, July 4, 13:00 – 15:00

Optimal Synthesis Inc, Palo Alto	United States	Mo-A02-TO/3
ABB Automation Technologies AB - Robotics	Sweden	Mo-A02-TP/11
IMV CORPORATION	Japan	Mo-A02-TP/14
ASTI Control S.A, Bucharest	Romania	Mo-A02-TP/3
Deutsche BP AG	Germany	Mo-A03-TO/1
Samsung Electronics Co. Ltd.	Korea	Mo-A03-TP/12
Atlas Copco Compressor Int. Slovakia	Slovakia	Mo-A03-TP/3
SINTEF IKT	Norway	Mo-A04-TO/4
Delphi Diesel Systems	France	Mo-A05-TO/3
IAV GmbH	Germany	Mo-A05-TO/4
ABB Corporate Research, Ladenburg	Germany	Mo-A06-TO/1
BASF Aktiengesellschaft, Ludwigshafen	Germany	Mo-A06-TO/1
Novozymes A/S Bagsvaerd	Denmark	Mo-A06-TO/2
TEPCO SYSTEMS CORPORATION	Japan	Mo-A09-TO/2
SDA Bocconi	Italy	Mo-A12-TO/2

Philips Applied Technologies	Netherlands	Mo-A16-TO/4
Volvo Cars	Sweden	Mo-A17-TO/1
GE Global Research	United States	Mo-A17-TO/2
Ford Motor Company	United States	Mo-A21-TO/3
Syncrude Canada Ltd.	Canada	Mo-A21-TO/6
RIKEN	Japan	Mo-A22-TO/1

Monday, July 4, 15:30 – 17:00

State Researsh & Production Rocket-Space Center	Russia	Mo-E02-TO/4
STMicroelectronics Catania site	Italy	Mo-E13-TO/4
Siemens Automotive	Canada	Mo-E14-TO/4
Kumamoto Technology Inc.	Japan	Mo-E16-TO/5
Volvo Cars	Sweden	Mo-E17-TO/1
Kybertec, Ltd.	Czech Republic	Mo-E18-TO/5
Satra, Ltd.	Czech Republic	Mo-E18-TO/5
Scania	Sweden	Mo-E20-TO/2
Magneti Marelli Powertrain	Italy	Mo-E20-TO/3
PARADES	Italy	Mo-E20-TO/3
Centre Technique Renault	France	Mo-E20-TO/5

List of companies involved in presentations

A.P.I. Refinery Falconara	Italy	Tu-A03-TP/11
AG der Dillinger Hüttenwerke	Germany	Tu-A06-TO/3
Aldec-ADT, Advanced Design Technology	Poland	Tu-A15-TO/5
ARCsr GmbH / Mechatronic Automation Systems	Austria	Tu-E02-TP/12
Aucotec GmbH	Germany	Tu-E07-TO/6
Audi AG I/EF-56	Germany	Tu-A07-TO/3
BAE Systems	United Kingdom	Tu-E20-TO/4
Brembo	Italy	Tu-A07-TO/6
CESI spa	Italy	Tu-E08-TO/4
CESI spa	Italy	Tu-E16-TO/3
CIPAN S.A.	Portugal	Tu-A19-TO/6
Comau S.p.A.	Italy	Tu-E04-TP/13
COMPUREG Plzen, s.r.o.	Czech Republic	Tu-A06-TO/5
Conwell Ltd. Co.	Korea	Tu-A04-TP/1
Daimler Chrysler AG	Germany	Tu-E07-TO/4
Danieli Automation SpA	Italy	Tu-E18-TO/5
DLR - German Aerospace Center	Germany	Tu-A03-TO/1
Ferrari Spa	Italy	Tu-M07-TO/5
FLS-Automation A/S	Denmark	Tu-A01-TP/5
Ford Motor Company	Germany	Tu-A07-TO/1
Ford Motor Company	United States	Tu-E04-TP/17
Fuji Electric Advanced Technology Ltd.	Japan	Tu-M06-TO/6
GTS Industries Group Dillinger Hütte	France	Tu-A06-TO/3
Hewlett-Packard Company	United States	Tu-E20-TO/2
Honda R&D	Japan	Tu-M20-TO/4
IAV GmbH	Germany	Tu-M03-TP/10
IBM	United States	Tu-E13-TO/1
Idpiconseil	France	Tu-E17-TO/1
Infoteam GmbH	Germany	Tu-E07-TO/6
Instron Ltd	United Kingdom	Tu-A02-TP/8
Jet Propulsion Laboratory	United States	Tu-M18-TO/4
JFE Advantech Co., Ltd.	Japan	Tu-A06-TO/2
JFE R&D Corp.	Japan	Tu-E18-TO/1
JFE Steel Corporation	Japan	Tu-A06-TO/4
JFE Steel Corporation	Japan	Tu-E18-TO/6

Kobe Steel, Ltd.	Japan	Tu-M03-TP/15
MAGNA STEYR	Austria	Tu-M07-TO/5
MAGNA STEYR	Austria	Tu-M07-TO/6
Microsoft s.r.o. Prague	Czech Republic	Tu-M03-TP/20
Mitsubishi Electric Corporation	Japan	Tu-M07-TO/1
Mitsubishi Electric Corporation	Japan	Tu-M14-TO/5
Nippon Steel Corp.	Japan	Tu-M03-TP/7
NIPPON STEEL CORPORATION	Japan	Tu-M03-TP/16
Omron	Portugal	Tu-E04-TP/4
OMRON corporation	Japan	Tu-A03-TP/1
Petrobras	Brazil	Tu-A03-TP/3
Phoenix ISI	France	Tu-M01-TP/4
POSCO	Korea	Tu-E18-TO/3
POSCO	Korea	Tu-E18-TO/4
POSCO	Korea	Tu-M03-TP/8
Profactor Research	Austria	Tu-A17-TO/4
Rockwell Automation	United States	Tu-E17-TO/3
Rockwell Automation	United States	Tu-M01-PL/1
Samsung Adv. Inst. of Tech.	Korea	Tu-A03-TO/5
Samsung Advanced Institute of Technology	Bulgaria	Tu-M02-TP/4
Samsung Co.	Korea	Tu-A04-TP/1
Samsung Fine Chemicals Co. Ltd.	Korea	Tu-A03-TP/17
SC Solutions	United States	Tu-M13-TO/2
Schneider Electric	Germany	Tu-E07-TO/1
SIEMENS Automobilové systémy s.r.o.	Czech Republic	Tu-A15-TO/4
Siemens Automotive	France	Tu-A01-MS/1
SINTEF	Norway	Tu-E03-TP/9
Systemexpert Ltd.	Hungary	Tu-E01-TP/3
Tata Consultancy Services	India	Tu-A14-TO/5
Tata Consultancy Services	India	Tu-M03-TP/19
Tata Consultancy Services	India	Tu-M03-TP/21
Tata Research Development & Design Centre	India	Tu-M03-TP/1
The Boeing Company	United States	Tu-M09-TO/4
The Boeing Company	United States	Tu-M22-TO/3
TNO Automotive	Netherlands	Tu-M18-TO/5

TNO Science and Industry	Netherlands	Tu-A04-TP/12
Toshiba Corporation	Japan	Tu-A04-TP/3
Toyota Motor Corporation	Japan	Tu-M04-TP/6
VOEST ALPINE Industrieanlagenbau Linz	Austria	Tu-A06-TO/1
ZF Lenksysteme	Germany	Tu-M16-TO/6

List of scheduled presentations with industry involvement

(refer to Tuesday Program Brochure for details)

Tuesday, July 5, 8:30 – 9:30

Rockwell Automation	United States	**Tu-M01-PL/1**

Tuesday, 11:00 – 13:00

Phoenix ISI	France	Tu-M01-TP/4
Samsung Advanced Institute of Technology	Bulgaria	Tu-M02-TP/4
Tata Research Development & Design Centre	India	Tu-M03-TP/1
IAV GmbH	Germany	Tu-M03-TP/10
Kobe Steel, Ltd.	Japan	Tu-M03-TP/15
NIPPON STEEL CORPORATION	Japan	Tu-M03-TP/16
Tata Consultancy Services	India	Tu-M03-TP/19
Microsoft s.r.o. Prague	Czech Republic	Tu-M03-TP/20
Tata Consultancy Services	India	Tu-M03-TP/21
Tata Consultancy Services	India	Tu-M03-TP/21
Nippon Steel Corp.	Japan	Tu-M03-TP/7
POSCO	Korea	Tu-M03-TP/8
Toyota Motor Corporation	Japan	Tu-M04-TP/6
Fuji Electric Advanced Technology Ltd.	Japan	Tu-M06-TO/6
Mitsubishi Electric Corporation	Japan	Tu-M07-TO/1
Ferrari Spa	Italy	Tu-M07-TO/5
MAGNA STEYR	Austria	Tu-M07-TO/5
MAGNA STEYR	Austria	Tu-M07-TO/6
The Boeing Company	United States	Tu-M09-TO/4
SC Solutions	United States	Tu-M13-TO/2
Mitsubishi Electric Corporation	Japan	Tu-M14-TO/5
ZF Lenksysteme	Germany	Tu-M16-TO/6
Jet Propulsion Laboratory	United States	Tu-M18-TO/4
TNO Automotive	Netherlands	Tu-M18-TO/5
Honda R&D	Japan	Tu-M20-TO/4
The Boeing Company	United States	Tu-M22-TO/3

Tuesday, July 5, 14:00 – 16:00

Siemens Automotive	France	**Tu-A01-MS/1**
FLS-Automation A/S	Denmark	Tu-A01-TP/5
Instron Ltd	United Kingdom	Tu-A02-TP/8
DLR - German Aerospace Center	Germany	Tu-A03-TO/1
Samsung Adv. Inst. of Tech.	Korea	Tu-A03-TO/5
OMRON corporation	Japan	Tu-A03-TP/1
A.P.I. Refinery Falconara	Italy	Tu-A03-TP/11
Samsung Fine Chemicals Co. Ltd.	Korea	Tu-A03-TP/17
Petrobras	Brazil	Tu-A03-TP/3
Conwell Ltd. Co.	Korea	Tu-A04-TP/1
Samsung Co.	Korea	Tu-A04-TP/1
TNO Science and Industry	Netherlands	Tu-A04-TP/12
Toshiba Corporation	Japan	Tu-A04-TP/3
VOEST ALPINE Industrieanlagenbau Linz	Austria	Tu-A06-TO/1
JFE Advantech Co., Ltd.	Japan	Tu-A06-TO/2
AG der Dillinger Hüttenwerke	Germany	Tu-A06-TO/3
GTS Industries Group Dillinger Hütte	France	Tu-A06-TO/3
JFE Steel Corporation	Japan	Tu-A06-TO/4
COMPUREG Plzen, s.r.o.	Czech Republic	Tu-A06-TO/5
Ford Motor Company	Germany	Tu-A07-TO/1
Audi AG I/EF-56	Germany	Tu-A07-TO/3
Brembo	Italy	Tu-A07-TO/6
Tata Consultancy Services	India	Tu-A14-TO/5
SIEMENS Automobilové systémy s.r.o.	Czech Republic	Tu-A15-TO/4
Aldec-ADT, Advanced Design Technology	Poland	Tu-A15-TO/5
Profactor Research	Austria	Tu-A17-TO/4
CIPAN S.A.	Portugal	Tu-A19-TO/6

Tuesday, July 5, 16:30 – 18:30

Systemexpert Ltd.	Hungary	Tu-E01-TP/3
ARCsr GmbH / Mechatronic Automation Systems	Austria	Tu-E02-TP/12
SINTEF	Norway	Tu-E03-TP/9
Comau S.p.A.	Italy	Tu-E04-TP/13
Ford Motor Company	United States	Tu-E04-TP/17
Omron	Portugal	Tu-E04-TP/4
Schneider Electric	Germany	Tu-E07-TO/1
Daimler Chrysler AG	Germany	Tu-E07-TO/4
Aucotec GmbH	Germany	Tu-E07-TO/6
Infoteam GmbH	Germany	Tu-E07-TO/6
CESI spa	Italy	Tu-E08-TO/4
IBM	United States	Tu-E13-TO/1
CESI spa	Italy	Tu-E16-TO/3
Idpiconseil	France	Tu-E17-TO/1
Rockwell Automation	United States	Tu-E17-TO/3
JFE R&D Corp.	Japan	Tu-E18-TO/1
POSCO	Korea	Tu-E18-TO/3
POSCO	Korea	Tu-E18-TO/4
Danieli Automation SpA	Italy	Tu-E18-TO/5
JFE steel corporation	Japan	Tu-E18-TO/6
Hewlett-Packard Company	United States	Tu-E20-TO/2
BAE Systems	United Kingdom	Tu-E20-TO/4

List of companies involved in presentations

2-control ApS	Denmark	WeA14-TO/5
Aalborg Industries A/S	Denmark	WeA02-TP/24
ABB	Belgium	WeA15-TO/1
ABB	Norway	WeA15-TO/1
ABB Automation Technology	Sweden	We-M06-TO/3
ALSTOM Switzerland Ltd.	Switzerland	WeA02-TP/28
API Oil Industry	Italy	WeM06-TO/1
Arca Tecnologie s.r.l.	Italy	We-A02-TP/4
Areva T&D Ltd	United Kingdom	WeA02-TP/10
AspenTech	Italy	WeM06-TO/4
AspenTech	United Kingdom	WeM06-TO/4
ASTI Control S.A, Bucharest	Romania	WeM04-TO/6
BizT@lk AG	Germany	WeM17-TO/3
BNW AG E-30	Germany	WeM02-TP/4
BOC	Austria	We-M17-TO/2
Centro Ricerche Fiat	Italy	WeA07-TO/2
Centro Ricerche Fiat	Italy	WeA07-TO/3
Centro Ricerche Fiat	Italy	WeA07-TO/4
Cimmedia Ltd	United Kingdom	WeM17-TO/5
DAF Trucks NV	Netherlands	WeM02-TP/8
Data Storage Institute	Singapore	WeA04-TP/10
DLR - German Aerospace Center	Germany	WeE09-TO/1
Eaton Innovation Center	United States	WeA14-TO/6
Electricité de France	France	WeA09-TO/4
Finnforest Ltd.	Finland	WeA20-TO/5
FLS Automation A/S	Denmark	WeA22-TO/5
GalpEnergia	Portugal	WeM06-TO/4
Gebr. Lang GmbH Papierfabrik	Germany	WeM20-TO/4
Global Software Group, Motorola	United Kingdom	WeA07-TO/6
Hitachi Industries Co. Ltd.	Japan	WeA04-TP/5
Hitachi Ltd.	Japan	WeM16-TO/3
Hitachi STRC	Japan	WeA04-TP/11
Honeywell Laboratories Prague	Czech Republic	WeE01-SP/1
Honeywell Labs	United States	WeM03-TO/1
Honeywell Ltd.	India	WeM02-TO/6

Honeywell Process Solutions	United States	WeE01-SP/1
Intel	United States	WeM03-TP/7
JAKK	Finland	WeA20-TO/5
JFE Steel Corporation	Japan	WeA21-TO/1
KERI	Korea	WeM02-TO/4
KITE Solutions	Italy	WeA07-TO/5
Kobe Steel Ltd.	Japan	WeA21-TO/2
LG Cable Ltd	Korea	WeA02-TP/19
LG Chemical	Korea	WeM03-TP/2
LG Industrial Systems	Korea	WeE02-TP/1
Memcor Australia Pty Ltd	Australia	WeE17-TO/4
Metso Automation	Finland	WeA20-TO/2
Metso Automation	Finland	WeA22-TO/6
Metso Automation Oy	Finland	WeM20-TO/5
Microsoft Corp.	United States	WeM17-TO/3
Mitsubishi Heavy Industries	Japan	WeE16-TO/2
Nalco Finland Oy	Finland	WeA20-TO/4
NHK Science and Technical Research Laboratories	Japan	WeA04-TP/13
NIPPON STEEL CORPORATION	Japan	WeM22-TO/1
Nittetsu Elex Corporation	Japan	WeM22-TO/1
Outokumpu Stainless Oy	Finland	WeM22-TO/3
P&C Tech.	Korea	WeA01-TP/3
Papier Masson	Canada	WeM20-TO/1
Paprican	Canada	We-M20-TO/1
PROFACTOR Produktionsforschungs GmbH	Austria	WeE06-TO/4
PROFIBUS International	Germany	WeM17-TO/1
ProTyS Inc.	Czech Republic	WeM01-TP/3
PSA Peugeot Citroën	France	WeA03-TP/7
Rautaruukki Oyj, Ruukki Production, Raahe	Finland	WeM22-TO/4
Rockwell Automation	United States	WeE06-TO/2
Scania	Sweden	WeE07-TO/5
Scania AB	Sweden	WeA03-TP/4
Schneider Electric	Germany	WeE06-TO/1
Siemens AG	Germany	WeM17-TO/1
Siemens AG	Germany	WeM17-TO/4
Siemens AG	Germany	WeM20-TO/4
Siemens AG Corp.	Germany	WeE06-TO/3

Technology		
Siemens Automotive	France	WeA07-TO/1
Siemens Canada Limited	Canada	WeA05-TO/5
Snecma Moteurs	France	WeE22-TO/1
Snecma Moteurs	France	WeE22-TO/2
ST Microelectronics	France	WeA01-TP/1
STATOIL	Norway	WeM06-TO/2
Stora Enso Oyj	Finland	WeA20-TO/4
System & Dynamik / Beratungsunternehmen	Germany	WeA02-TP/11
Telescope Technologies Limited	United Kingdom	WeA04-TP/8
United Energy	Czech Republic	WeA02-TP/27
Volvo Aero Corporation	Sweden	WeE22-TO/4
Volvo Aero Corporation	Sweden	WeE22-TO/5
VOLVO TECHNOLOGY CORPORATION	Sweden	WeA07-TO/1
VOLVO TECHNOLOGY CORPORATION	Sweden	WeA07-TO/2
VTT	Finland	WeA07-TO/1
VTT	Finland	WeA20-TO/3
Westinghouse Electric Company, LLC	United States	WeA02-TP/25

List of scheduled presentations with industry involvement

(refer to Wednesday Program Brochure for details)

Wednesday, July 6, 10:00 – 12:00

ProTyS Inc.	Czech Republic	WeM01-TP/3
KERI	Korea	WeM02-TO/4
Honeywell Ltd.	India	WeM02-TO/6
BNW AG E-30	Germany	WeM02-TP/4
DAF Trucks NV	Netherlands	WeM02-TP/8
Honeywell Labs	United States	WeM03-TO/1
LG Chemical	Korea	WeM03-TP/2
Intel	United States	WeM03-TP/7
ASTI Control S.A, Bucharest	Romania	WeM04-TO/6
API Oil Industry	Italy	WeM06-TO/1
STATOIL	Norway	WeM06-TO/2
ABB Automation Technology	Sweden	We-M06-TO/3
AspenTech	Italy	WeM06-TO/4
AspenTech	United Kingdom	WeM06-TO/4
GalpEnergia	Portugal	WeM06-TO/4
Hitachi Ltd.	Japan	WeM16-TO/3
PROFIBUS International	Germany	WeM17-TO/1
Siemens AG	Germany	WeM17-TO/1
BOC	Austria	We-M17-TO/2
BizT@lk AG	Germany	WeM17-TO/3
Microsoft Corp.	United States	WeM17-TO/3
Siemens AG	Germany	WeM17-TO/4
Cimmedia Ltd	United Kingdom	WeM17-TO/5
Papier Masson	Canada	WeM20-TO/1
Paprican	Canada	We-M20-TO/1
Gebr. Lang GmbH Papierfabrik	Germany	WeM20-TO/4
Siemens AG	Germany	WeM20-TO/4
Metso Automation Oy	Finland	WeM20-TO/5
NIPPON STEEL CORPORATION	Japan	WeM22-TO/1
Nittetsu Elex Corporation	Japan	WeM22-TO/1
Outokumpu Stainless Oy	Finland	WeM22-TO/3
Rautaruukki Oyj, Ruukki Production, Raahe	Finland	WeM22-TO/4

Wednesday, July 6, 13:00– 15:00

ST Microelectronics	France	WeA01-TP/1
P&C Tech.	Korea	WeA01-TP/3
Areva T&D Ltd	United Kingdom	WeA02-TP/10
System & Dynamik / Beratungsunternehmen	Germany	WeA02-TP/11
LG Cable Ltd	Korea	WeA02-TP/19
Aalborg Industries A/S	Denmark	WeA02-TP/24
Westinghouse Electric Company, LLC	United States	WeA02-TP/25
United Energy	Czech Republic	WeA02-TP/27
ALSTOM Switzerland Ltd.	Switzerland	WeA02-TP/28
Arca Tecnologie s.r.l.	Italy	We-A02-TP/4
Scania AB	Sweden	WeA03-TP/4
PSA Peugeot Citroën	France	WeA03-TP/7
Data Storage Institute	Singapore	WeA04-TP/10
Hitachi STRC	Japan	WeA04-TP/11
NHK Science and Technical Research Laboratories	Japan	WeA04-TP/13
Hitachi Industries Co. Ltd.	Japan	WeA04-TP/5
Telescope Technologies Limited	United Kingdom	WeA04-TP/8
Siemens Canada Limited	Canada	WeA05-TO/5
Siemens Automotive	France	WeA07-TO/1
VOLVO TECHNOLOGY CORPORATION	Sweden	WeA07-TO/1
VTT	Finland	WeA07-TO/1
Centro Ricerche Fiat	Italy	WeA07-TO/2
VOLVO TECHNOLOGY CORPORATION	Sweden	WeA07-TO/2
Centro Ricerche Fiat	Italy	WeA07-TO/3
Centro Ricerche Fiat	Italy	WeA07-TO/4
KITE Solutions	Italy	WeA07-TO/5
Global Software Group, Motorola	United Kingdom	WeA07-TO/6
Electricité de France	France	WeA09-TO/4
2-control ApS	Denmark	WeA14-TO/5
Eaton Innovation Center	United States	WeA14-TO/6
ABB	Belgium	WeA15-TO/1
ABB	Norway	WeA15-TO/1
Metso Automation	Finland	WeA20-TO/2
VTT	Finland	WeA20-TO/3

Nalco Finland Oy	Finland	WeA20-TO/4
Stora Enso Oyj	Finland	WeA20-TO/4
Finnforest Ltd.	Finland	WeA20-TO/5
JAKK	Finland	WeA20-TO/5
JFE Steel Corporation	Japan	WeA21-TO/1
Kobe Steel Ltd.	Japan	WeA21-TO/2
FLS Automation A/S	Denmark	WeA22-TO/5
Metso Automation	Finland	WeA22-TO/6

Wednesday, July 6, 15:30–17:30

Honeywell Laboratories Prague	Czech Republic	WeE01-SP/1
Honeywell Process Solutions	United States	WeE01-SP/1
LG Industrial Systems	Korea	WeE02-TP/1
Schneider Electric	Germany	WeE06-TO/1
Rockwell Automation	United States	WeE06-TO/2
Siemens AG Corp. Technology	Germany	WeE06-TO/3
PROFACTOR Produktionsforschungs GmbH	Austria	WeE06-TO/4
Scania	Sweden	WeE07-TO/5
DLR - German Aerospace Center	Germany	WeE09-TO/1
Mitsubishi Heavy Industries	Japan	WeE16-TO/2
Memcor Australia Pty Ltd	Australia	WeE17-TO/4
Snecma Moteurs	France	WeE22-TO/1
Snecma Moteurs	France	WeE22-TO/2
Volvo Aero Corporation	Sweden	WeE22-TO/4
Volvo Aero Corporation	Sweden	WeE22-TO/5

List of companies involved in presentations

AFRL, Munitions Directorate, Eglin Air Force Base	United States	Th-E03-TP/4
Agrotechnology & Food Innovations B.V.	Netherlands	Th-M20-TO/2
Agrotechnology & Food Innovations B.V.	Netherlands	Th-M20-TO/3
AIRBUS	France	Th-E18-TO/1
Alstom Transport	France	Th-E16-TO/3
ARCsr GmbH/ Mechatronic Automation Systems	Austria	Th-A04-TO/6
AUTEC s.r.o.	Czech Republic	Th-E14-TO/3
BAE Systems, Advanced Information Technologies	United States	Th-E03-TP/5
Bailey Japan Co. Ltd.	Japan	Th-M03-TO/4
BPBiT Leader (Leading Designer)	Poland	Th-E21-TO/3
Camotion Inc.	United States	Th-A08-TO/1
Danfoss A/S	Denmark	Th-E12-TO/5
DASFOS, v.o.s.	Czech Republic	Th-E14-TO/4
DENSEI-LAMBDA K.K.	Japan	Th-M16-TO/1
DLR - German Aerospace Center	Germany	Th-E01-TP/9
DLR - German Aerospace Center	Germany	Th-M01-TO/2
Eaton Innovation Center	United States	Th-A04-TP/5
Elettronica Santerno	Italy	Th-E16-TO/5
Ford Motor Company	United States	Th-E03-TP/3
General Motors Research & Development Center	United States	Th-E17-TO/4
Honeywell Laboratories Prague	Czech Republic	Th-M09-TO/2
Honeywell Laboratories Prague	Czech Republic	Th-M14-TO/2
Honeywell Prague Laboratory	Czech Republic	Th-E08-TO/3
Hydrion BV	Netherlands	Th-M20-TO/2
Intecs S.p.A.	Italy	Th-M09-TO/3
Ishikawajima-Harima Heavy Industries Co., Ltd.	Japan	Th-M04-TO/6
Jet Propulsion Laboratory	United States	Th-M01-PL/1
JFE R&D Corp.	Japan	Th-M01-TP/7
KERI	Korea	Th-M10-TO/3
KNICS R&D Center	Korea	Th-M10-TO/3
Kulicke @ Soffa Industries, Inc.	United States	Th-E04-TP/8
Los Alamos National Lab	United States	Th-E17-TO/4

National Aerospace Laboratory NLR	Netherlands	Th-E07-TO/4
P&P Software	Switzerland	Th-M09-TO/1
POSCO Technology Laboratory	Korea	Th-E02-TP/5
Priva B.V.	Netherlands	Th-M20-TO/3
Rockwell Automation	Czech Republic	Th-E17-TO/1
Samsung Adv. Inst. of Tech.	Korea	Th-M04-TO/4
Scietific and Production Corporation IRKUT	Russian Federation	Th-A18-TO/5
Siemens AG, CT IC-4	Germany	Th-M17-TO/6
Statoil ASA	Norway	Th-E20-TO/6
TOTAL	France	Th-A06-TO/6
Třinecké železárny, a.s.	Czech Republic	Th-E14-TO/4
Turkish Naval Forces, Turkish Naval Research Center Command	Turkey	Th-A03-TP/16
US Air Force Research Laboratory	United States	Th-E05-TO/1
Xerox Corporation	United States	Th-E03-TO/3
Z/I Imaging Corporation	United States	Th-E19-TO/1

List of scheduled presentations with industry involvement

(refer to Thursday Program Brochure for details)

Thursday, July 7, 10:00 – 12:00

Jet Propulsion Laboratory	United States	Th-M01-PL/1
DLR - German Aerospace Center	Germany	Th-M01-TO/2
JFE R&D Corp.	Japan	Th-M01-TP/7
Bailey Japan Co. Ltd.	Japan	Th-M03-TO/4
Samsung Adv. Inst. of Tech.	Korea	Th-M04-TO/4
Ishikawajima-Harima Heavy Industries Co., Ltd.	Japan	Th-M04-TO/6
P&P Software	Switzerland	Th-M09-TO/1
Honeywell Laboratories Prague	Czech Republic	Th-M09-TO/2
Intecs S.p.A.	Italy	Th-M09-TO/3
KERI	Korea	Th-M10-TO/3
KNICS R&D Center	Korea	Th-M10-TO/3
Honeywell Laboratories Prague	Czech Republic	Th-M14-TO/2
DENSEI-LAMBDA K.K.	Japan	Th-M16-TO/1
Siemens AG, CT IC-4	Germany	Th-M17-TO/6
Agrotechnology & Food Innovations B.V.	Netherlands	Th-M20-TO/2
Hydrion BV	Netherlands	Th-M20-TO/2
Agrotechnology & Food Innovations B.V.	Netherlands	Th-M20-TO/3
Priva B.V.	Netherlands	Th-M20-TO/3

Thursday, July 7, 13:00 – 15:00

Turkish Naval Forces, Turkish Naval Research Center Command	Turkey	Th-A03-TP/16
ARCsr GmbH/ Mechatronic Automation Systems	Austria	Th-A04-TO/6
Eaton Innovation Center	United States	Th-A04-TP/5
TOTAL	France	Th-A06-TO/6
Camotion Inc.	United States	Th-A08-TO/1
Scietific and Production Corporation IRKUT	Russian Federation	Th-A18-TO/5

Thursday, July 7, 15:30 – 17:30

DLR - German Aerospace Center	Germany	Th-E01-TP/9
POSCO Technology Laboratory	Korea	Th-E02-TP/5
Xerox Corporation	United States	Th-E03-TO/3
Ford Motor Company	United States	Th-E03-TP/3
AFRL, Munitions Directorate, Eglin Air Force Base	United States	Th-E03-TP/4
BAE Systems, Advanced Information Technologies	United States	Th-E03-TP/5
Kulicke @ Soffa Industries, Inc.	United States	Th-E04-TP/8
US Air Force Research Laboratory	United States	Th-E05-TO/1
National Aerospace Laboratory NLR	Netherlands	Th-E07-TO/4
Honeywell Prague Laboratory	Czech Republic	Th-E08-TO/3
Danfoss A/S	Denmark	Th-E12-TO/5
AUTEC s.r.o.	Czech Republic	Th-E14-TO/3
DASFOS, v.o.s.	Czech Republic	Th-E14-TO/4
Třinecké železárny, a.s.	Czech Republic	Th-E14-TO/4
Alstom Transport	France	Th-E16-TO/3
Elettronica Santerno	Italy	Th-E16-TO/5
Rockwell Automation	Czech Republic	Th-E17-TO/1
General Motors Research & Development Center	United States	Th-E17-TO/4
Los Alamos National Lab	United States	Th-E17-TO/4
AIRBUS	France	Th-E18-TO/1
Z/I Imaging Corporation	United States	Th-E19-TO/1
Statoil ASA	Norway	Th-E20-TO/6
BPBiT Leader (Leading Designer)	Poland	Th-E21-TO/3

List of companies involved in presentations

ABB Corporate Research Ltd.	Switzerland	Fr-M20-TO/2
Davidson Technologies, Inc.	United States	Fr-A18-TO/4
DLR - German Aerospace Center	Germany	Fr-A10-TO/3
ECOTRONICS GmbH	Austria	Fr-M21-TO/1
GTZ, Technology Transfer Center Skopje	Macedonia	Fr-M20-TO/5
Hospital Clínico San Carlos	Spain	Fr-A02-TP/1
INAIL - Centro Protesi	Italy	Fr-A03-TP/12
Intellimicrons	Korea	Fr-M04-TP/3
ISRO-Thiruvananthapuram	India	Fr-A18-TO/3
Japan Aerospace Exploration Agency, Institute of Space and Astronautical Science	Japan	Fr-M04-TP/6
Jet Propulsion Laboratory	United States	Fr-M04-TP/2
Jet Propulsion Laboratory	United States	Fr-M07-TP/5
Johnson Controls, Inc.	United States	Fr-M11-TO/1
Kushu Measurement & Control Co.	Japan	Fr-A03-TP/7
OMRON Advanced Systems, Inc.	United States	Fr-A16-TO/5
Parades S.r.l	Italy	Fr-A22-TO/3
Robert Bosch GmbH	Germany	Fr-M05-TO/5
Samsung Adv. Inst. of Tech.	Korea	Fr-A17-TO/4
Siemens AG	Germany	Fr-M16-TO/5
Sym Consulting on Industrial Process Control	Brazil	Fr-M06-TO/6
Toronto Co	Canada	Fr-M20-TO/1
Z/I Imaging Corporation	United States	Fr-A18-TO/4

List of scheduled presentations with industry involvement

(refer to Monday Program Brochure for details)

Friday, July 8, 10:00 – 12:00

Jet Propulsion Laboratory	United States	Fr-M04-TP/2
Intellimicrons	Korea	Fr-M04-TP/3
Japan Aerospace Exploration Agency, Institute of Space and Astronautical Science	Japan	Fr-M04-TP/6
Robert Bosch GmbH	Germany	Fr-M05-TO/5
Sym Consulting on Industrial Process Control	Brazil	Fr-M06-TO/6
Jet Propulsion Laboratory	United States	Fr-M07-TP/5
Johnson Controls, Inc.	United States	Fr-M11-TO/1
Siemens AG	Germany	Fr-M16-TO/5
Toronto Co	Canada	Fr-M20-TO/1
ABB Corporate Research Ltd.	Switzerland	Fr-M20-TO/2
GTZ, Technology Transfer Center Skopje	Macedonia	Fr-M20-TO/5
ECOTRONICS GmbH	Austria	Fr-M21-TO/1

Friday, July 8, 13:00 – 15:00

Hospital Clínico San Carlos	Spain	Fr-A02-TP/1
INAIL - Centro Protesi	Italy	Fr-A03-TP/12
Kushu Measurement & Control Co.	Japan	Fr-A03-TP/7
DLR - German Aerospace Center	Germany	Fr-A10-TO/3
OMRON Advanced Systems, Inc.	United States	Fr-A16-TO/5
Samsung Adv. Inst. of Tech.	Korea	Fr-A17-TO/4
ISRO-Thiruvananthapuram	India	Fr-A18-TO/3
Davidson Technologies, Inc.	United States	Fr-A18-TO/4
Z/I Imaging Corporation	United States	Fr-A18-TO/4
Parades S.r.l	Italy	Fr-A22-TO/3

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Michael Valášek (CZ)
Tomáš Vlček (CZ)
František Zezulka (CZ)
Pavel Zítek (CZ)

International Program sub-Committees

1.1 Modelling, Identification & Signal Processing	T. McKelvey (SE)
1.2. Adaptive and Learning Systems	A. Sano (JP)
1.3. Discrete Event Dynamic Systems	C. Cassandras (US)
1.4. Stochastic Systems	M. Campi (IT)
2.1. Control Design	P. Colaneri (IT)
2.2. Linear Control Systems	C.E. de Souza (BR)
2.3. Non-Linear Control Systems	F. Allgöwer (DE)
2.4. Optimal Control	A. Kleimenov (RU)
2.5. Robust Control	C. Scherer (DE)
3.1. Computers for Control	R. Sanz (ES)
3.2. Cognition and Control	R. Babuska (NL)
3.3. Computers and Telematics	H. Roth (DE)
4.1. Components and Instruments	S. Boverie (FR)
4.2. Mechatronic Systems	R. Goodall (UK)
4.3. Robotics	J. Sasiadek (CA)
4.4. Cost Oriented Automation	H. Erbe (DE)
4.5. Human Machine Systems	D. Zuehlke (DE)
5.1. Manufacturing Plant Control	G. Morel (FR)
5.2. Manufacturing Modelling for Management and Control	L. Monostori (HU)
5.3. Enterprise Integration and Networking	A. Molina (MX)
5.4. Large Scale Complex Systems	F.G. Filip (RO)
6.1. Chemical Process Control	W. Marquardt (DE)
6.2. Mining, Mineral & Metal Processing	S.C. Won (KR)
6.3. Power Plants and Power Systems	O.P. Malik (CA)
6.4. Safeprocess	M. Kinnaert (BE)
7.1. Automotive Control	L. Nielsen (SE)
7.2. Marine Systems	R. Sutton (UK)
7.3. Aerospace	K. Schilling (DE)
7.4. Transportation Systems	M. Papageorgiou (GR)
7.5. Intelligent Autonomous Vehicles	H. Asama (JP)
8.1. Control in Agriculture	G. van Straten (NL)
8.2. Modelling & Control of Biomedical Systems	D. Feng (AU)
8.3. Modelling & Control of Environmental Systems	R. Soncini-Sessa (IT)
8.4. Control of Biotechnological Processes	M. Pons (FR)
9.1. Economic & Business Systems	R. Neck (AT)
9.2. Social Impact of Automation	J. Stahre (SE)
9.3. Developing Countries	G. Dimirovski (MK)
9.4. Control Education	L. Vlacic (AU)
9.5. SWIIS	F. Kile (US)

1. Systems and Signals
   1.1 Modelling, Identification and Signal Processing
   1.2 Adaptive and Learning Systems
   1.3 Discrete Event and Hybrid Systems
   1.4 Stochastic Systems

2. Design Methods
   2.1 Control Design
   2.2 Linear Control Systems
   2.3 Non-Linear Control Systems
   2.4 Optimal Control
   2.5 Robust Control

3. Computers, Cognition and Communication
   3.1 Computers for Control
   3.2 Cognition and Control
   3.3 Computers and Telematics

4. Mechatronics, Robotics and Components
   4.1 Components and Instruments
   4.2 Mechatronic Systems
   4.3 Robotics
   4.4 Cost Oriented Automation
   4.5 Human Machine Systems

5. Manufacturing Systems
   5.1 Manufacturing Plant Control
   5.2 Manufacturing Modelling for Management & Control
   5.3 Enterprise Integration and Networking
   5.4 Large Scale Complex Systems

6. Industrial Systems
   6.1 Chemical Process Control
   6.2 Mining, Mineral and Metal Processing
   6.3 Power Plants and Power Systems
   6.4 Fault Detection, Supervision and Safety of Technical Processes

7. Transportation Systems and Vehicles
   7.1 Automotive Control
   7.2 Marine Systems
   7.3 Aerospace
   7.4 Transportation Systems
   7.5 Intelligent Autonomous Vehicles

8. Bio and Ecological Systems
   8.1 Control in Agriculture
   8.2 Modelling and Control of Biomedical Systems
   8.3 Modelling and Control of Environmental Systems
   8.4 Control of Biotechnological Systems

9. Social Systems
   9.1 Economic and Business Systems
   9.2 Social Impact of Automation
   9.3 Developing Countries
   9.4 Control Education
   9.5 Supplemental Ways of Improving International Stability