

TOMOCON 1st Summer School “Industrial Sensors and Control”
Lublin, 26-28 September 2018

AGENDA

Address: Hotel Victoria***, 58/60 Prezydenta Gabriela Narutowicza st., 20-016 Lublin, Poland

Day 1: September 26th - INDUSTRIAL MEASUREMENT

8:30	9:30	Registration	
9:30	10:00	Introduction	L. Babout / T. Rymarczyk / U. Hampel
10:00	11:30	<i>Keynote #1: sensors and actuators in robotics</i>	Prof. Grzegorz Granosik , Lodz University of Technology, Poland
11:30	11:45	Coffee break	
11:45	12:30	Impedance sensors and applications	Prof. Marco Da Silva , Universidade Tecnológica Federal do Paraná, Brazil
12:30	13:30	Lunch	
13:30	14:15	Process analysis technologies	Prof. Uwe Hampel , HZDR, Germany
14:15	15:00	Industrial data communication in the era of the Internet of Things	Dr. Tomasz Cieplak , Lublin University of Technology, Poland
15:00	15:45	Soft-computing methods	Prof. Lidia Jackowska-Strumiłło , Lodz University of Technology, Poland
15:45	16:30	<i>Coffee & open discussion forum</i>	
16:30	18:30	<i>Company visit (round 1): Netrix*</i>	Dr. Tomasz Rymarczyk , Netrix, Poland

Day 2: September 27th – CONTROL AND AUTOMATION

9:00	10:30	Keynote #2: Control in aerospace engineering -	Dr. Coen de Visser , Delft University of Technology, The Netherlands
10:30	10:45	Coffee break	
10:45	11:30	Fundamental control theory	Prof. Jaroslav Hlava , Technical University of Liberec, Czech Republic
11:30	12:15	Fuzzy control	Prof. Jacek Kucharski , Lodz University of Technology, Poland
12:15	13:15	Lunch	
13:15	14:00	Industrial automation systems	Dr. Yvonne Anne Pignolet , ABB Corporate Research, Switzerland
14:00	14:45	Optical fibre sensors in medical applications	Prof. Elfed Lewis , University of Limerick, Republic of Ireland
14:45	15:30	Coffee & Open discussion forum	
15:30	17:30	<i>Company visit (round 2): Netrix* / TEST</i>	Dr. Tomasz Rymarczyk , Netrix, Poland
19:00	-	Summer school dinner	

* Maximum capacity for company visit: 25

Day 3: September 28th – PROJECT MANAGEMENT / COMMUNICATING SCIENCE

8:45	10:15	Keynote #3: Management of large industrial projects -	Dr. Dirk Großerichter , Linde, Germany
10:15	10:30	Coffee break	
10:30	11:15	Insights in general project management	Dr. Dirk Großerichter , Linde, Germany
11:15	12:00	Team building and communication skills	Grażyna Budzińska , Lodz University of Technology, Poland
12:00	13:00	Lunch	
13:00	13:45	Team building and communication skills - practice	Grażyna Budzińska , Lodz University of Technology, Poland
13:45	14:30	Science dissemination	Jolanta Szczepaniak , Lodz University of Technology, Poland
14:30	15:15	Open science	Dr. Małgorzata Rożniakowska-Kłosińska , Lodz University of Technology, Poland
15:15	15:30	Coffee break	
15:30	16:00	Summer school closing – certificate delivery	L. Babout / T. Rymarczyk / U. Hampel

Organizational Information:

- Netrix visit: first round (26th September) is meant in priority for TOMOCON ESRs + PIs. Other participants (TOMOCON partners, invited lecturers, external participants) can register to the 2nd round (27th September) on site during Registration. If the demand is more important, a third visit can be arranged on the 28th of September, from 16:00 to 17:00.
- A test is foreseen for the ESRs + other attending students, who want to get 1 ECTS credit for the Summer School attendance. Questions will be prepared by lecturers, in the form of MCQ + open questions (3-4 questions per 45-minute lectures, 6-8 questions for 90-minute lectures). The test will last two hours and will be organized at the same time as the second visit to Netrix
- Usually, questions will be asked during Open forum discussion organized at the end of the two first days. However, it is upon the lecturer's decision to accept questions during their talk.
- Coffee breaks are for every participant. However, lunch is only guaranteed for the members of the TOMOCON consortium (e.g. ESRs, PIs, partners).
- The Summer School dinner is covered by the project budget for TOMOCON members + guest lecturers. However, external participants will have to pay around 25 EUR.