



# IEEE 7<sup>th</sup> International Conference on Automation Science and Engineering



August 24 - 27, 2011  
Trieste, Italy



## **General Chair**

Maria Pia Fanti

Polytechnic of Bari, Italy

## **Program Chair**

Alessandro Giua

University of Cagliari, Italy

## **Local Arrangements/Finance Chair**

Walter Ukovich

University of Trieste, Italy



# IEEE 7<sup>th</sup> International Conference on Automation Science and Engineering



August 24 - 27, 2011  
Trieste, Italy



**Technical co-sponsorship of**



International Federation of Automatic Control

**The 18th IFAC world  
conference will be held in  
Milan Aug 28-Sept 2, 2011  
Submission site closing  
Sept 30, 2010**



# IEEE 7<sup>th</sup> International Conference on Automation Science and Engineering



August 24 - 27, 2011  
Trieste, Italy

## WHY TRIESTE?

A city of art





# IEEE 7<sup>th</sup> International Conference on Automation Science and Engineering



August 24 - 27, 2011  
Trieste, Italy

## WHY TRIESTE?

A city  
of history





# IEEE 7<sup>th</sup> International Conference on Automation Science and Engineering



August 24 - 27, 2011  
Trieste, Italy

## WHY TRIESTE?

Near to  
sea and  
mountain  
sites





# IEEE 7<sup>th</sup> International Conference on Automation Science and Engineering



August 24 - 27, 2011  
Trieste, Italy

## WHY TRIESTE?

Numerous  
universities  
and high-tech  
companies in the  
region





# IEEE 7<sup>th</sup> International Conference on Automation Science and Engineering



August 24 - 27, 2011  
Trieste, Italy

## WHY TRIESTE?

RONCHI DEI LEGIONARI  
INTERNATIONAL  
AIRPORT. Distance: 33 km.

MARCO POLO  
INTERNATIONAL  
AIRPORT OF  
VENICE. Distance: 120 km

LJUBJANA INTERNATIONAL  
AIRPORT. Distance: 100 km





# IEEE 7<sup>th</sup> International Conference on Automation Science and Engineering



August 24 - 27, 2011  
Trieste, Italy

## WHY TRIESTE?

Rome:  
1 hour by  
fly







# IEEE 7<sup>th</sup> International Conference on Automation Science and Engineering



August 24 - 27, 2011  
Trieste, Italy

## WHY TRIESTE?

**Venice:  
less than 2  
hours by  
train or  
car**





# IEEE 7<sup>th</sup> International Conference on Automation Science and Engineering



August 24 - 27, 2011  
Trieste, Italy

## Venue: Starhotels Savoia Excelsior Palace

### Single room 150 €

The hotel is located in the heart of the city and reflects the charm of the Italian style based on the love of art, culture, gastronomic tradition and well-being.





# IEEE 7<sup>th</sup> International Conference on Automation Science and Engineering



August 24 - 27, 2011  
Trieste, Italy

## Other accommodations at walking distance

| <b>Hotel</b>  | <b>stars</b> | <b>Price<br/>(euros/night/double room)<br/>August 2010</b> |
|---------------|--------------|--|
| Urban         | ****         | 180  |
| Continentale  | ****         | 150  |
| James Joyce   | ****         | 130  |
| Italia        | ***          | 110  |
| Jolly Novotel | ***          | 150  |
| Roma          | ***          | 99   |



# IEEE 7<sup>th</sup> International Conference on Automation Science and Engineering



August 24 - 27, 2011  
Trieste, Italy

Moreover.....

About 60 accommodations facilities ranging  
from 20 to 360 €

Special for students:  
the B&B student house 70 € for 15 days

See for help

<http://www.welcomeoffice.fvg.it/trieste/home-trieste.aspx>



# IEEE 7<sup>th</sup> International Conference on Automation Science and Engineering



August 24 - 27, 2011  
Trieste, Italy

## Steering Committee

Peter Luh (Chair - Univ. of Conn. USA)

Ken Goldberg (UC Berkeley, USA)

Deirdre Meldrum (Arizona State Univ., USA)

Kazuhiro Saitu (Univ. of Michigan, USA)

N. Viswanadham (Indian Sch. of Bus., India)

Michael Y. Wang (CUHK, Hong Kong)

Mike Tao Zhang (Spansion, USA)

MengChu Zhou (NJIT, USA)



# IEEE 7<sup>th</sup> International Conference on Automation Science and Engineering



August 24 - 27, 2011  
Trieste, Italy

## **General Chair**

Maria Pia Fanti  
Polytechnic of Bari, Italy

## **Program Chair**

Alessandro Giua  
University of Cagliari, Italy

## **Local Arrangements/Finance Chair**

Walter Ukovich  
University of Trieste, Italy

## **Publication Chair**

Christoforos Hadjicostis  
University of Cyprus, Cyprus

## **Award Chair**

MuDer Jeng  
National Taiwan Ocean University, Taiwan

## **Poster Chair**

Jean-Marc Faure  
Ecole Normale Sup. de Cachan, France

## **Publicity chair**

Ying Tang  
Rowan University, NJ, USA

## **Special Sessions Chair**

Bengt Lennartson  
Chalmers University, Sweden

## **Tutorial/Workshop Chair**

Olaf Stursberg  
University of Kassel, Germany

| <b>REGISTRATION FEES</b>              | <b>FEE</b> |
|---------------------------------------|------------|
| In Advance-IEEE Member                | 400.00     |
| In Advance-Non IEEE Members           | 500.00     |
| In Advance-IEEE Student Member        | 280.00     |
| In Advance-Non IEEE Student Member    | 330.00     |
| In Advance-IEEE Life Member           | 280.00     |
| At Conference-IEEE Member             | 500.00     |
| At Conference-Non IEEE Member         | 600.00     |
| At Conference-IEEE Student Member     | 330.00     |
| At Conference-Non IEEE Student Member | 380.00     |
| At Conference-IEEE Life Member        | 330.00     |

## International Conference on Intelligent Systems and Engineering

October 27, 2011  
Naples, Italy



### **The conference fee includes:**

- access to all conference sessions
- proceedings
- social dinner
- coffee breaks
- lunches during the conference
- up to 3 internationally invited speakers for 3 plenary sessions



# IEEE 7<sup>th</sup> International Conference on Automation Science and Engineering



August 24 - 27, 2011  
Trieste, Italy

|                            |  |
|----------------------------|--|
| <b>January 14, 2011:</b>   | Special session proposal submission  |
| <b>February 1, 2011:</b>   | Special session acceptance notification<br>Tutorial and workshop proposal submission |
| <b>February 11, 2011:</b>  | Contributed paper submission   |
| <b>March 1, 2011:</b>      | Tutorial and Workshop acceptance notification  |
| <b>May 15, 2011:</b>       | Paper acceptance notification  |
| <b>May 30, 2011:</b>       | Conference registration opens  |
| <b>June 15, 2011:</b>      | Final paper submission   |
| <b>August 24, 2011:</b>    | Conference Tutorials and Workshops   |
| <b>August 25-27, 2011:</b> | Main conference events   |





# IEEE 7<sup>th</sup> International Conference on Automation Science and Engineering



August 24 - 27, 2011  
Trieste, Italy

## **Foundation and Automation**

Discrete event systems  
Hybrid systems  
Fault analysis and recovery  
System modelling and simulation  
Monitoring and control

## **Life Sciences and Healthcare**

Lab automation  
Automation in treatment diagnosis and disease  
Hospital and medical robotics  
Healthcare management systems

## **Automation in Meso, Micro and Nano-scale**

Cluster tool scheduling  
Fab modeling and analysis  
Metrology  
Nano-manufacturing

## **Information Automation**

Web, Data and Text Mining  
Web services and service oriented architectures  
Machine learning  
Software engineering in automation  
Workflow management systems

## **Manufacturing Automation**

Reconfigurable manufacturing systems  
Industrial robotics  
Coordination and scheduling  
Algorithmic automation (Image processing and machine vision)

## **Automation in Logistics and Supply Chain Managements**

Material handling and assembly  
IT-enabled Planning, coordination and scheduling  
Resource allocation and management  
Automation in remanufacturing and reverse logistics

## **Networked and Control Systems**

Distributed control systems  
Multiagent planning and control  
Sensor/actuator networks  
Wireless communication and control

## **Other Topics in Automation**

Aerospace automation  
Green automation  
Intelligent transportation  
Disaster management



# IEEE 7<sup>th</sup> International Conference on Automation Science and Engineering



August 24 - 27, 2011  
Trieste, Italy

# See you at Trieste

# in 2011