

IFAC Workshop on Internet Based Control Education Brescia, 04-06 November 2015

<http://ibce15.unibs.it>

Organized by
DIMI, University of Brescia
In cooperation with

Multisector Service and Technological Centre, Brescia (ITALY)

Scope

The IFAC IBCE'15 workshop is the third in a series, whose precedents are the IBCE'01 (held in Madrid) and IBCE'04 (Grenoble), focusing on delivering control education using new information and communication technologies. The motivation for this workshop is the recognition that student learning can be enhanced through the judicious and effective use of online resources and services accessible on the Internet. New Information and Communication Technology for Education provides many ways to enhance and expand educational activities and services. A wide range of educational material is now available in a variety of formats including moocs, e-books, audio and video podcasts, simulations and animations, interactive tools, virtual and remote labs, and is easily accessible through Internet. Web accessible databases and online laboratory resources allow teachers to share and reuse pedagogical material. This workshop will serve as an international forum for interaction among engineers, scientists, and practitioners of control engineering who are interested in adopting and promoting Internet-based methodologies for teaching control engineering.

Topics:

The workshop will address the following topics:

- Internet-based control education
- e-learning in control engineering
- Tele-operation
- Distributed pedagogical agents and smart devices
- Interactivity and interactive tools
- Enhanced e-books
- Virtual and remote labs, virtual reality
- Open learning repositories and open educational resources
- Web-based educational environments
- Personal learning environments
- Social software in control education
- Continuing control education in industry
- Internet-based control education assessment
- Quality Assurance in e-learning
- Social and educational issues in developing countries
- Collaborative learning
- Problem-based learning
- Online tutoring
- Closing the gap between control education practice and control engineering practice
- International programs in internet based control education
- Cultural and social issues of control education

Plenary speakers

- Francisco Esquembre, University of Murcia (ES)
- Alberto Leva, Politecnico of Milan (IT)
- Anthony Rossiter, University of Sheffield (GB)

Secretariat

IBCE Workshop 2015
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Members

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| Chen, X.Q. (NZ) | Pasik-Duncan, B. (US) |
| Chidambaram M. (IN) | Perrier, M. (CA) |
| Coelho, A. (BR) | Rossiter, A. (GB) |
| Costa-Castelló, R. (ES) | Saha, P. (IN) |
| Crisalle, O.D. (US) | Sallah-Hassane, A. (CA) |
| De Keyser, R. (BE) | Sánchez, J. (ES) |
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| Fradkov, A. (RU) | Tan, K.K. (SG) |
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| Golob, M. (SI) | Trimpe, S. (DE) |
| Gómez-Estern, F. (ES) | Vlacić, L.B. (AU) |
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| Guzmán, J.L. (ES) | Vrana, S. (CZ) |
| Huba, M. (SK) | Whitman, L. (US) |
| Jumar, U. (DE) | Yamamoto, T. (JP) |
| Katebi, R. (GB) | Yu, L. (CN) |
| Leiviskä, K. (FI) | Zakova, K. (SK) |

Important dates

| | |
|----------------------|---------------------------------------|
| June 30, 2015 | Draft papers submissions |
| July 31, 2015 | Notification of acceptance/rejection |
| September 15, 2015 | Final paper submission & Registration |
| November 04-06, 2015 | Workshop will be held |

Sponsor

IFAC Technical Committee on Control Education (TC9-4)

Co-sponsor IFAC-Technical Committees:

TC on Computers for Control (TC3-1)
TC on Control via Communication (TC3-3)



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Participation fees

The Workshop participation fee will be 500 euros for participants except students (towards master, diploma of first or second cycle) who will pay 250 euros. The standard fee includes the refreshments during the breaks, lunches, pre-prints of the meeting containing full papers and the banquet dinner.

Structure of the Workshop

The scientific program is based on selected (regular, survey, industrial) papers and plenary sessions related to the workshop topics.

Proposals of special sessions focusing on well-defined subjects of current or emerging interest are also solicited.

The official Workshop language is English.

Paper submission

Submissions for contributed papers have to be made electronically through the IFAC website: <http://ifac.papercept.net>

Authors must prepare an electronic version of the paper according to the required paper style and submit it in the required file format. For more details see the Information for IFAC authors.

Papers that do not meet the required specifications will not be included in the final conference proceedings.

Venue

The IBCE 2015 Workshop will take place in Brescia, Italy. The city of Brescia is placed in the Northern of Italy, close to a number of important airports (Milano, Bergamo, Verona, Venezia, Bologna) easily connected to the city. Thanks to its specific geographical position, Brescia has always been in contact with several populations and was influenced by their different cultures. It is this multicultural element that surprises visitors and makes them want to come back.

Brescia City of Art is a continuous discovery. Around the Roman Temple stands the largest archaeological site in northern Italy. Every street abounds in historical buildings, that were built in different ages but whose styles combine to create a harmonious whole.

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Patronage

