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 di Milan (IT)
- Anthony Rossiter, University of Sheffield (GB)

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Vice-chair from industry: Ráfael Gonzales (Petronor Repsol, ES)
Editors: A. Visioli (University of Brescia, IT), Manuel Berenguel (University of Almería, ES).

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.paperscept.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.

Copyri‌ght
The material submitted for presentation at an IFAC meeting (Congress, Symposium, Conference, Workshop) must be original, not published or being considered elsewhere. All papers accepted for presentation will appear in the Preprints of the meeting and will be distributed to the participants. Proceedings of the IFAC Congress, Symposium, Conferences and Workshops will be hosted on-line on the IFAC-PapersOnline.net website. The presented papers will be further screened for possible publication in the IFAC journals (Automatica, Control Engineering Practice, Annual Reviews in Control, Journal of Process Control, Engineering Applications of Artificial Intelligence, and Mechatronics), or in IFAC affiliated journals. All papers presented will be recorded as an IFAC Publication.
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