

## **2nd IFAC International Workshop on Internet Based Control Education - IBCE 2004 Grenoble, France, September 5-7, 2004**

The second IFAC Workshop on Internet Based Control Education (IBCE'04) was held in Grenoble, France, September 5-7, 2004. IBCE'04 was the second edition of this event, the first one being organized in Madrid, Spain, in 2001.

IBCE'04 was sponsored by the IFAC TC on Education and the French IFAC National Member Organization SEE while institutional sponsorship was obtained from Laboratoire d'Automatique de Grenoble, associated to Centre National de la Recherche Scientifique, Institut National Polytechnique and Université Joseph Fourier de Grenoble .

This workshop has been an international forum for scientists and practitioners involved in the field of control education. A wide range of educational material is now available in a variety of formats including audio, video, simulations and animations, and is easily accessible through the Internet. Web accessible databases allow teachers to share and reuse pedagogical material. The main scope of the workshop was to discuss the benefits and limits of using New Information and Communication Technologies for control education. The topics included Web based educational environments, virtual and remote control laboratories, e-learning environments and internet based control education assessment.

48 papers were carefully reviewed and on the basis of the results the International Program Committee decided to include 36 of them in the program, from 17 countries. Three invited papers were delivered to highlight the important progress in the field and the main topics of reflection. These papers were:

- Web-based experimentation: the will and the way.  
D. Gillet, Swiss Federal Institute of Technology EPFL, Lausanne, Switzerland.
- Interactive learning of control concepts using easy Java simulations.  
S. Dormido, Departamento de Informatica y Automatica, UNED, Madrid, Spain
- Issues in designing usable interfaces for educational software.  
J. Dugdale, IIBM-CLIPS-IMAG, Grenoble, France.

The total number of participants was 51. The presentations gave rise to interesting discussions within and outside the sessions. The social events (registration reception and gala dinner) were organized to give the opportunity to exchange ideas and to take advantage of the fine weather and mountain landscape.