iJOE Special Issue:
REV2011 - 8th International Conference „REMOTE ENGINEERING AND VIRTUAL INSTRUMENTATION"

From 28 June to 2 July 2011 the International Association of Online Engineering IAOE in collaboration with „Transilvania" University of Brasov organized in Brasov, Romania the 8th International Conference on „REMOTE ENGINEERING AND VIRTUAL INSTRUMENTATION" (REV2011).
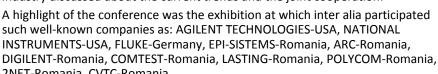
This edition was honored by participation of great personalities from universities, international associations and managers from renamed companies:

- Prof.Dr.ing. Ion VIŞA – Rector of the University Transilvania of Braşov,
- Prof.Dr. Rob REILLY - President of the IEEE Education Society,
- Judson HARWARD – Director MIT-CECI
- Prof. Doru URSUTIU – President IAOE,
- Dr. Alexander EHNERT- General Manager FLUKE Europe,
- Dr.Ing. Dave WILSON – Vice-President Education National Instruments USA,
- Prof.Dr.Eng. Ray IUNIUS – Director Inovation and Entrepreneuship Institute EHL Switzerland,
- Dr.ing. Mircea DABACAN – President Digilent Romania,
- Dr.Ing. Michael Droemmer – Sales Director Europa Agilent Technology.

The conferences had participants from 28 countries from all continents. This Special Issue covers seven selected papers [1]-[7] of the conference.

132 participants from research and educational institutions as well as the industry discussed about the current trends and the joint cooperation.

A highlight of the conference was the exhibition at which inter alia participated such well-known companies as: AGILENT TECHNOLOGIES-USA, NATIONAL INSTRUMENTS-USA, FLUKE-Germany, EPI-SISTEMS-Romania, ARC-Romania, DIGILENT-Romania, COMTEST-Romania, LASTING-Romania, POLYCOM-Romania, 2NET-Romania, CVTC-Romania.

For the first time also plenary technical presentations from industry partners with news and actual developments (DIGILENT, FLUKE, NATIONAL INSTRUMENTS, COMTEST) and workshops (National Instruments, Digilent) were included in the conference program

Prof.Dr.Ing. Cornel SAMOILA   Chairman REV2011,
Prof.Dr.Fiz. Doru URSUTIU   President IAOE

[1] Work-in-Progress on a Thin IEEE1451.0-Architecture to Implement Reconfigurable Weblab Infrastructures, Ricardo J. Costa, Gustavo R. Alves, Mário Zenha-Rela, Int. J. of Online Engineering (iJOE), Vol. 7, No. S2, Oct 2011, pp. 5-10, http://dx.doi.org/10.3991/ijoe.v7iS2.1810

[2] Using VISIR Experiments, Subjects and Students, J. Garcia-Zubia, Ingvar Gustavsson, U. Hernandez-Jayo, P. Orduna1, I. Angulo, O. Dziabenko, L. Rodriguez, D. Lopez-de-Ipina, Int. J. of Online Engineering (iJOE), Vol. 7, No. S2, Oct 2011, pp. 11-14, http://dx.doi.org/10.3991/ijoe.v7iS2.1769

[3] Instruments and Experiments Control Methodology Based on IVI and LXI Technologies, U. Hernández-Jayo, J. García-Zubía, Int. J. of Online Engineering (iJOE), Vol. 7, No. S2, Oct 2011, pp. 15-21, http://dx.doi.org/10.3991/ijoe.v7iS2.1768

[4] Experimental Machine Vision System for Training Students in Virtual Instrumentation Techniques, R. Holonec, R. Copindean, F. Dragan, and A.O. Buzura, Int. J. of Online Engineering (iJOE), Vol. 7, No. S2, Oct 2011, pp. 22-25, http://dx.doi.org/10.3991/ijoe.v7iS2.1706

[5] Data Handling Techniques in Online Semiconductor Technology CAD Laboratory Ananda Maiti and B. K. Tripathy, Int. J. of Online Engineering (iJOE), Vol. 7, No. S2, Oct 2011, pp. 26-32, http://dx.doi.org/10.3991/ijoe.v7iS2.1753

[6] Adding New Features to New and Existing Remote Experiments Through Their Integration in WebLab-Deusto, P. Orduña, J. Irurzun, L. Rodriguez-Gil, J. García-Zubia, F. Gazzola, D. López-de-Ipiña, Int. J. of Online Engineering (iJOE), Vol. 7, No. S2, Oct 2011, pp. 33-39, http://dx.doi.org/10.3991/ijoe.v7iS2.1774

[7] Low Power Strain Gage Measurement With Wireless Network Access, Ioan Turcin, Manfred Pauritsch and Petra Weber, Int. J. of Online Engineering (iJOE), Vol. 7, No. S2, Oct 2011, pp. 40-45, http://dx.doi.org/10.3991/ijoe.v7iS2.1741