

September, 22-26 2009, Palma de Mallorca, Spain

Call for Papers / Invitation to Special Session SS09

NEW TRENDS IN EMERGING TECHNOLOGIES AND AUTOMATION EDUCATION

Special Session co-Chairs

Prof. Ramon Costa-Castelló
Technical Univ of Catalonia, UPC
ramon.costa@upc.edu

Prof. Antoni Grau
Technical Univ of Catalonia, UPC
antoni.grau@upc.edu

Sponsored by: Technical University of Catalonia (UPC), University of Balearic Islands (UIB), Spain and IEEE Industrial Electronics Society

In the coming years, our world will continue to face industrial, economical, environmental and energy related problems. How is Education responding to the needs of our society and the world? This Special Session on Education is specifically devoted to the new trends regarding the Emerging Technologies in the industry and the Automation field. It will serve as a forum for the sharing of innovation and good practice and will provide participants with the opportunity to critically and creatively engage with new ideas and research that might help them develop their own approach to learning, teaching and assessment.

The session will be of interest to those:

- Involved with teaching engineering in higher and further education
- Supporting staff and students in engineering departments
- Conducting research and development in engineering education
- Developing policy and practice relevant to engineering education in professional institutions and government organisations

Contributions to the session may address, but are not limited to:

- Accreditation and assessment
- Active learning
- Computer and web-based software
- Creative design experiences
- Design Projects
- Distance learning: methods, technologies and assessment
- Diversity In Engineering
- Engineering Technology and Community Colleges
- Entrepreneurship programs
- Ethics

- Faculty development
- First Year Experiences
- Globalization
- Industrial, Automation & Manufacturing Engineering
- Innovative degree programs and curricula
- Innovative uses of technology in the classroom
- Laboratory experiences: on-site and at distance
- Learning models
- Lifelong learning
- Non-traditional students
- Partnerships: industry, government, university, international
- Robotics
- Service learning
- Software engineering
- Student retention and persistence
- Sustainability
- Systems Engineering
- Undergraduate research experiences
- Women in Education.

SUBMISSION OF PAPERS

Papers are to be submitted electronically. For further details, please consult the conference web pages.

AUTHOR'S SCHEDULE

Deadline for submission of papers:	May 10, 2009
Notification of papers acceptance:	June 8, 2009
Final manuscripts due:	July 5, 2009

SESSION ORGANIZERS

Prof. Ramon Costa-Castelló
Technical Univ of Catalonia, UPC
Barcelona, Spain
e-mail: ramon.costa@upc.edu

Prof. Antoni Grau
Technical Univ of Catalonia, UPC
Barcelona, Spain
e-mail: antoni.grau@upc.edu

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