**Standards Coordinator Report April 2013**

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# IEEE position paper standards in the engineering curriculum

## Goal

Promote the 'IEEE Position Paper on the Role of Technical Standards in the Curriculum of Academic Programs in Engineering, Technology and Computing' with the various IEEE R8 local and regional accreditation bodies as well as national and regional standards development organisations. Work on the possibility of national and regional standards development organisations endorsing, or adopting this position paper as ANSI already has done so.

## Approach

Work with our educational activities subcommittee (EASC), Region 8 towards disseminating the position paper further.

## Status

The position paper has been introduced to some national and regional standards development organisations in Europe through IEEE-SA outreach activities.

# Standards speakers, tracks at conferences and meetings

## Goals

Arrange both individual speakers on standards and/or whole standards tracks at major IEEE R8 conferences. Collaborate with Standards Education Committee (SEC) to arrange workshops on standards areas such as Smart Grid and IEEE 802 in parallel with conferences or as independent events.

Continue to collaborate with SEC to utilise the 'Standards Education Speaker's Bureau' in R8 which is similar to the existing Distinguished Lecturer program run by societies.

## Status

IEEE-SA Standards Board

> The IEEE-SA Standards Board will be meeting in Brussels Belgium from Wednesday 12th June through Friday 14th June. This is an opportunity to attend the IEEE-SA Governance meeting and there is no meeting fee to attend. In addition a workshop will be held in conjunction with Digital Europe will be held on an ICT related topic at the beginning of that week.

> IEEE-SA Standards Board meeting: http://standards.ieee.org/about/sasb/meetings.html

EuroCon 2013

The IEEE-SA Global Activities have worked with the conference organiser to provide a SmartGrid panel session at EuroCon 2013 is Zagreb, Croatia.

IEEE 802 plenary

The IEEE 802 July plenary will be taking place at the ITU HQ in Geneva from Monday 15th through Friday 19th July 2013. This is an opportunity to attend the plenary where all of the IEEE 802 Working Groups meeting, these groups include IEEE 802.1 Higher Layer Interface, IEEE 802.3 Ethernet, IEEE 802.11 Wireless LANs, IEEE 802.15 Personal Area Networks, IEEE 802.16 Broadband Wireless Access and IEEE 802.22 Wireless Regional Area Networks.

There is a meeting fee to attend this meeting, however a IEEE 802 University Outreach day will take place on Tuesday 16th July where students and faculty members can receive an introduction to IEEE 802 activities, and observe the meeting, for a deeply discounted rate of $25 (see Standards education activities below for more details).

Registration information http://802world.org/plenary/

IEEE 802.3 and 802.1 Interim

The IEEE 802.1 and IEEE 802.3 September Interim meeting week will be taking place in York, England from Monday 2nd through Friday 6th September 2013. This is an opportunity to attend the interim meetings of  the IEEE 802.1 Higher Layer Interface and IEEE 802.3 Ethernet Working groups.
Registration information: http://www.ieee802.org/1/files/public/docs2013/admin-messenger-sep13-york-meeting-0213-v01.pdf

SIIT

The IEEE-SA sponsored Standardisation and Innovation in Information Technology (SIIT) conference will be taking place from Tuesday 24th through Thursday 26th  September 2013 in Sophia-Antipolis, France.

Conference information: http://ieee-siit.org/

## **Standards education**

## Goal

Provide educational content about IEEE standard, both about the process, for example the inclusion of patented technology in standards, and also about the various standards themselves. (Collaboration with IEEE Standards Education Committee (SEC))

Encourage IEEE R8 students and faculty mentors to apply for IEEE SEC mini-grants program to help with graduate and capstone design projects with an industry standards component. The IEEE then publishes the results as a Student Application Paper. (Collaboration with Student Activities)

[Status](Status)

## Student Application Papers

The next deadline for Student Application Paper mini-grant applications is 15th June 2013 and promotion of this opportunity should take place through the IEEE R8 Standards web site, IEEE R8 news and working with the Student Activities.

[http://www.ieee.org/education_careers/education/standards/applications.html](http://www.ieee.org/education_careers/education/standards/applications.html)

## IEEE 802 University Outreach

IEEE 802(R) standards are part of a suite of standards that are the foundation for the Internet, with standards such as IEEE 802.3TM (Ethernet) and IEEE 802.11TM (commonly known as Wi-Fi(R)) the primary way users reach the Internet. These standards have been essential for the growth of a global economic and social model that has touched billions of lives. Many other leading edge activities with similar potential impacts are currently underway in IEEE 802.

The objectives of the IEEE 802 university outreach program is to expose both students and faculty members to IEEE 802 standards development so that they may increase their understanding of the importance that standards play within engineering technology, may feel more comfortable in participating in the process if they do in the future during their academic careers, or subsequently as practicing engineers, encourage participation in the IEEE Standards Education Committee programs such as applying for grants for Student Application Papers and to create interest in including the role of standards in engineering in the academic curriculum.

The IEEE 802 university outreach program enables a maximum of 30 student and faculty member to attend at a special registration fee of only $25.00. The day starts with an orientation session about one hour long giving a brief overview of the current IEEE 802 projects as well as the standards development process they will observe. IEEE 802 University Outreach students and faculty attendees are then free to observe sessions in progress so long as there is adequate space in the room. A list of meetings recommended for observation is supplied. The day then ends with a closing session to provide the opportunity for the IEEE 802 University Outreach participants to ask questions about what they have observed.