
IEEE Iceland Section Report October 2012

1. Highlights from the past

The Iceland section has since the Berlin meeting organised a few lectures. Among the topics were "Employing SOFC (Solid Oxide Fuel Cell) in advanced energy systems, "Race Against the Machine: How the Digital Revolution is Transforming Employment and the Economy", Telecommunications during natural disasters and a Webinar organised by graduate students from the Humboldt State University in California on the subject „Smoothing the Peaks, Gridshare Smart Grid Technology to Reduce Brownouts on Micro-Hydroelectric Mini-Grids in Bhutan". This Webinar was organized in collaboration with the Keilir Institute of Technology in Keflavik Iceland in premises of the Reykjavik University. More Webinars in this series are planned during the autumn. The student branch has organised a series of events, notably a course on the design of printed circuit boards, a course on how to build electronic circuits and a lecture on graduate studies in the USA.

Representatives from the IEEE section participated in the celebrations for the 100 year anniversary of the Icelandic Engineering Institute (VFI).

2. Future activities

We will continue our presentation of the Smart Grid concept in collaboration with Icelandic Energy companies. Our student branch will continue its activity and we are interested to check if some of their activities would find interest among our older members. We are beginning preparations for the joint VFI-IEEE award for Electrical engineer of the year in 2013 which will be awarded during the spring of 2013. The IEEE day is in preparation and we will again explore the willingness of Icelandic students to participate in the IEEE Xtreme programming contest. IEEE Iceland Section supported the design of the electrical system for a one-seat electrical race car. Electrical engineering students at the University of Iceland presented their design which had to fulfill the strict safety rules for the Formula Student competition. (www.formulastudent.com). Members will be invited to an event where the design will be presented and the car demonstrated

3. Best practices

The Keilir Institute of Technology is offering an undergraduate engineering programme in Keflavik, Iceland about 50 km west of the capital Reykjavik. They have now enjoyed a good enrolment of new students so that there may be an opportunity to establish a student branch there. This will be analysed.