



# **IEEE WESTERN SAUDI ARABIA SECTION REPORT**

**APRIL 2013**

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## A. Introduction

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This document describes IEEE activities in the western region of KSA. It includes students' activities, Computer Society activities, educational activities as well.

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## B. Highlights from the past

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### 1. Students Activities

The following lists the main activities done by the students' chapters:

- WiE AG participated in the evaluation of Taif University SB Establishment April, 2013
- Introduction to IEEE Students Membership & WiE Benefits @ KAU, 13 Mar. 2013
- Agile Project Management Lecture @ KAU, 13 Mar. 2013
- Technical Sponsor for 10th Learning and Technology Conference @ Effat University, 25-27 Feb. 2013

#### *Student Activities conducted @ UQU:*

- Power System Simulation for Engineers (PSS/E)
- The Art of Dealing with Others
- Use of Electronic Soldering Iron
- Professional Writing
- Field Trips
- Power Generation and Transmission Station (Makkah)

#### *Student Activities conducted @ KAUST:*

- IET PATW Competition 2013: 14th/21st February 2013.
- End of Year BBQ: April/May 2013.

#### *Student Activities conducted @ Taif University:*

- Visit to Alshaiba Electrical Station, Jan. 2013
- Visit to Makkah Electrical Station, Feb. 2013
- Visit to IEEE's student branch at UQ university, Feb. 2013
- Visit to IEEE's student branch at KAUST, Mar. 2013
- Introduction meeting for IEEE's student branch at Taif university , Mar. 2013
- Total Quality Management (TQM) course, Mar. 2013
- Visit Milk's Factory at Taif City, Apr. 2013
- Java course, Apr. 2013

***Student Activities conducted @ King Khalid University:***

- IEEE & Students membership benefits Introductory Lectures between Mar.-Apr. 2013
- Created a Google Forms for IEEE memberships registrations and promotion of IEEE Student activities

***Student Activities conducted @ King Abdulaziz University:***

- Research Groups Programs, started October 2012:
- Learn technical writing & search methods
- Read and Discuss the problems
- Tell your experience to others
- Network with members, teaching and exchange experience.

***Counseling & Seminars by experts***

- LEGO Mindstorms NXT Robotics Workshop, conducted @ KAU in October 2012
- IEEE DAY 2012 at King Abdulaziz University organized by Student Branch, October 2012
- Difference between majors, 25 Feb. 2013
- Robot workshop (III) - Programming, 2 Mar. 2013
- C# Workshop, 23-27 Feb. 20113
- Academic writing , 22 Mar. 2013
- Objective C and XCode, 9-11-13 Mar. 2013
- Presentation Skills, Apr. 1, 2013
- Effective Team work, Apr. 15, 2013
- Programming Competition, 15-29 Apr. 2013

**2. Computer Society Activities**

- Talk about Time Management by Dr. Hafidh AlSamarrai at Students Meeting at Effat University 2012 (around 100 attendees)
- ITYE Forum organization, 12-12-2012 organized by Effat University and KAU Students at Effat University. Several Speakers were invited. Attendance was from KAU, Effat University, CBA, Dal AlHikma College and Um Al Qura University (around 360 attendees)
- Technical Sponsor for 10th Learning and Technology Conference @ Effat University, 25-27 Feb. 2013 (Dr. Akila Sarirete was the Project Manager and Dr. Nighat Mir was the Program Chair); several IEEE members were part of the paper review committee (around 260 attendees; international speakers were invited and paper review was very intense; Selected papers will be published in Elsevier Journal at King Saud University).
- First Lego League Competition Participation and Judging (Two IEEE members were judges in the FLL competition for High School and Middle School students' competition. 12 groups

participated from 8 schools around Jeddah. The competition was held in Jeddah in Dar Altarbiya School for Girls

- Science and Engineering Fair (April 16<sup>th</sup> 2013). Several members of IEEE participated in the planning of the competition (3 from Effat University). The competition included students from High School where they had to showcase their high school graduation project in science. The Theme was related to Environment and Energy Saving. Judges were invited from KAU and KSU.
- Co-Sponsor with Taibaa University on NOORIC Conference for December 2013.

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### C. Future activities

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The following lists the upcoming activities

- iTeCC2013 in May 7-8, 2013, at King Faisal Convention Center, King Abdulaziz University
- College of Engineering Project Fair 8 May 2013, at Effat University, Jeddah
- College of Engineering, Computer Science, Information Systems Department Capstone Projects Viva (7<sup>th</sup> and 14<sup>th</sup> May 2013)
- Establishment of Student Branches at Effat University and UQU
- WiE AG of WSA Section participation in IEEE CIVEMSA, July 2013
- NOORIC 2013 Conference @ Taibah University in December, 2013
- Student Activities conducted @ Taif University:
- Show and explain the students graduates' projects @ May 2013
- World communications day @ May 2013
- Advance course in Matlab @ Oct. 2013
- How to design electronics circuits @ Oct. 2013
- Communication skills Course @ Oct. 2013
- AutoCAD course @ Nov. 2013
- World science day for peace & development @ Nov. 2013
- Principles of Networks course @ Nov. 2013
- Advance course in PSpice @ Dec. 2013
- World day of ADIS @ Dec. 2013
- Robotics course @ Dec. 2013
- IEEE Students' Visit to China sponsored by King Khalid University @ Summer Vacation
- Oracle, Aveo, and MATLAB Lectures @ King Khalid University @ Oct.-Nov. 2013

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## **D. Best practices**

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Among the best practices among the Western Region:

- Electrical Engineering College @ UQU obtained ABET Accreditation
- Computer Science Department, College of Engineering at Effat University obtained NCAAA Accreditation for 2010-2017

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## **E. Points of concern / Topics for future discussion**

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- Funding WIE and Student activities
- We don't have an account for IEEE in Jeddah; although we have a debit card but it cannot withdraw money because of the ATM network (SPAN) we use in Saudi is not included in the IEEE.

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## **F.**

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