

IEEE Saudi Arabia (West) Section Report October 2013

Highlights from the past

IEEE Computer Society Activities

- Time Management Talk 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 AlHekma 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 16th 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.
- Engineering Project Fair, May 8th 2013 at Effat University. Students from the college of Engineering presented their semester and capstone projects. Several members attended: 3 from the executive committee. Ms. Reem Al-Turky was one of the judges in the competition. Judges from Um Al Qura University, KAU University, and OIC were present.
- College of Engineering, Computer Science, Information Systems Department Capstone Projects Viva (7th and 14th May 2013)
- Dar Al-Hekma MIS Capstone Project presentations, June 2013. One member was a Judge in the competition
- Co-Sponsor with Taibaa University on NOORIC Conference for December 2013. Two executive members are part of the steering committee and the program committee. Several IEEE members are part of the program committee reviewing papers and will attend the conference. One of the members is as well presenting a research paper during the conference.
- Weekly meeting with two IEEE executive members and students members to organize the ITYE forum and IEEE November 2013 workshop.

Photonics Society Chapter in KAUST

- Establishment of the Photonics Society Chapter
 - Chapter Chair: Boon S. Ooi
 - Chapter Secretary: Dr. Hakan Bagic
 - Chapter Vice Chair: Dr. Mohammed Saad Al-Ghamdi

Chapter activities:

- 12 January 2013: Seminar by Prof. Getano Assanto (IEEE Distinguished Lecturer, IEEE Fellow), University of Rome. Seminar Title: Nematicons: Spatial Optical Solitons and their Routing in Nematic Liquid Crystal". The seminar was attended by about 50 members and students.
- 13 January 2013: Seminar by Dr. Colin McKinstrie (IEEE Distinguished Lecturer), Bell Laboratories, Alcatel-Lucent, Seminar Title: Fiber-based parameter devices: Physics and Application". The seminar was attended by about 50 students and faculty.
- 9th February 2013: Seminar by Dr. Sergery Gaponenko, Head of the Nanooptics Lab, National Academy of Sciences of Belarus, "Fluorescence and Raman Scattering in Plasmonics Nano-structures: From basic science to applications". Attendance about 50 members and students.
- 27th-30th April 2013: Co-organizing: The Second Saudi International Electronics, Communications and Photonics Conference in KACST, Riyadh.
- 23 April, 2013: Seminar by Dr. Marco Pecciato, Research Associate, University Roma Tre, Italy, "TeraHertz imaging advances: Looking with Terahertz Eyes". The seminar was attended by about 20 members and students.

- 28th April 2013, Dr. Jun Rho, University of Berkeley, California, "Deep sub-wavelength light control and manipulation with novel nanophotonics metamaterials and metadevices", The seminar was attended by about 20 members and students.
- 14th July, Dr. Allesia Pasquazi, University of Sussex, " On-chip resonating optical systems via nonlinear optics: Towards intelligence in photonics", The seminar was attended by about 20 members and students.
- 1st September, Dr. Boon S. Ooi, KAUST, "Solid-state lighting research in KAUST", The seminar was attended by about 30 members and students.
- 16 September, Dr. Yujie Ding (IEEE Fellow), Lehigh University, "Parametric Generation of Terahertz waves". The seminar was attended by about 20 members and students.
- Weekly journal club meeting: Chapter members and students meet every Mondays from 12:00 to 13:00. During the meeting, two chapter members or students will spend 30 minutes each to present research papers. The average number of attendee is about 20.

WIE Activities

- Agile Project Management @ Effat University, ITYE Forum (12-12-2012); attendees around 360 members and students
- Reviewed the research papers and had a booth for IEEE WIE to introduce the IEEE & WIE memberships @ Effat University Learning & Technology Conference, during 25-26 Feb. 2013
- Agile Project management Lecture @ March 17, 2013 at King Abdulaziz University
- WIE and IEEE Introductory Lecture @ March 17, 2013 at King Abdulaziz University
- Administrative Meeting with IEEE WIE R 8 Coordinator @ Feb. 2013

MITT-S Chapter

- Establishment of the MITT-S chapter joining two societies: "Microwave Theory and Techniques Society (MITT-S) and Antennas and Propagation Society (APS)" - September 2013 at KAUST

Future activities

- Establishment of Student Branches at Effat University and UQU
- Attend and Participate in NOORIC 2013 Conference @ Taibah University in December, 2013
- ITYE Forum at Effat University; Workshops and presentations, November 2013; Invitation of IEEE Fellow, Dr. Kurt Ritcher to deliver a Workshop at JCCI
- Extreme Programming Competition (involving Jeddah and Mecca Universities and College), Spring 2014
- November 2013, Dr. Peter Andrekson (IEEE Fellow), Chalmers University of Technology, will visit KAUST and will give a seminar that open for the Chapter members.
- March 2014, Establishment of WIE Student chapter @ Effat University and KAU
- April 2014, Women in Software Project Management Workshop @ Jeddah, Saudi Arabia

Achievements

- Establishment of WIE IEEE Student branch @ Jazan University
- Establishment of the Photonics Society Chapter at KAUST

Points of concern / Topics for future discussion

- Publicize more the chapter and involve other stakeholders from other institutions. Establish a marketing campaign for the chapters.
- Make Joint activities among different institutions and chapters.
- IEEE Awards for best chapter acheiver.