

Invited Column

On editor's invitation Professor V. K. Damodaran, R10 Life Member Activities Coordinator for 2016, has posted following very motivating message for R10 volunteers. Professor Damodaran is a recipient of the 2014 IEEE Education Board Meritorious Achievement Award for his outstanding contributions for the Continuing Education.

Dear Life Members and Section Chairs,

Very innovative involvements by IEEE Life Members have happened in R10 during 2016, which stand out as pointers for future activities: Leading a Children's Science Congress, Mentoring socio-economically disadvantaged children at school level to appreciate and opt for science & technology related topics for their higher studies, elevating the minds of depressed children with 'do it yourself mini projects' of technical nature and make them feel 'we can do it', training young entrants to IEEE to become leaders, to make new members feel the benefit of continuing with IEEE membership, mentoring for industry-institute interactive action research for solving technical problems of local nature, enthusiastic technical tours with spouses and young members, leadership in organizing major technical conferences, joint lecture meetings with other professional groups and public, advice to governments and municipalities, and the list is longer. I congratulate all the elders for showing what they can.

It was a year of getting to know of how active and busy are our Sections in Asia Pacific region. Almost a quarter of century before when I was a Section Chair, I vividly recall the 'stable pace' of activities in most Sections – but mostly technical. Students used to attend some of these, just to listen to stalwarts who shared their knowledge and experience with other members as well as non-members in the Section Office towns. But, today several Sections have more than one activity on every single day. Student members and young professionals – both men and women - are coming up with a number of activities in the up-to-date frontiers of knowledge related to electrical, electronic, computer as well as many other sister subject areas, and in humanitarian technologies, also seeing to it that such activities culminate successfully, as well as letting them benefit from these activities.

This phenomenal change has been as a result of vision, hard work and handholding by the then Section leaders, shoulder to shoulder with the present newsmakers, and who have now retired from arduous activity platforms - being 65, 70 or more on the age indicator scale. They are now called Life Members of IEEE. They number more than 1500 in R10. During 2016 – just for a year, I was on this tender task of coordinating the activities of some among them who still feel not tired.

I spotted more than 25 clusters where there are enough LMs who could still assist the present leadership and the newer members to get more out of what they want to organize within the Sections. Seven Affinity Groups of LMs (LMAGs) were already active in Japan, Australia and India. I explored through e-mails and direct conversations with the Chairs of potential other Sections and

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Upcoming IEEE Conferences in Region 10

**WISHING ALL IEEE MEMBERS
A VERY HAPPY NEW YEAR
&
PROSPEROUS 2017**

ETNCER-16

National Conference “Emerging Trends in Non-Conventional Energy Resources” (ETNCER-16) Organized on October 22, 2016 at Integral University, Lucknow.



The first national conference titled “Emerging Trends in Non-Conventional Energy Resources” (ETNCER-16) was organized by the Department of Electronics and Communication, Physics & Electrical Engineering on October 22, 2016 at Integral University, Lucknow. This was a one day national conference and was technically/financially supported by IEEE UP Section, WIE IEEE Affinity Group, UP-NEDA, SEEM, ISTE and UPCST. The conference was well attended by eminent academicians, faculty members & students from various universities and educational institutions from different parts of the India & representatives of government bodies and industries. The conference started with the welcome address by Prof S. Hasan Saeed, convener ETNCER-16, and Head of Dept. ECE, wherein briefed about the Integral University and its achievements in the fields of research & technology. Chief Guest, Pro Vice-Chancellor Prof T. Usmani addressed the audience and provided an insight to the fact that in future non-conventional energy resources are going to be very vital. The conference souvenir was released by Honourable Pro Vice Chancellor and all the dignitaries on the dais. The Technical Session started with the keynote addresses by eminent speakers Dr Usha Bajpai, Professor at Center of Excellence in Renewable Energy Education and Research, University of Lucknow, and Professor Dr Syed Naseem Ahmad, Department of ECE, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi. In her key note address Dr Usha Bajpai discussed the sustained reliable power generation as key to nation’s growth. She also discussed about solar energy and its physical significance. Dr Syed Naseem Ahmad delivered the concept and idea on the latest research, technology, innovation and commercial aspects related to renewable energy sources.

The Conference theme played around the following research areas: Renewable energy systems, Integration energy management, Policy & Economics, Materials for non-conventional energy applications and nano materials for energy production. Four parallel tracks were held in which a total of 60 papers were presented. The presentation was reviewed by panel of session Chairs Dr Suresh Bajpai, Director FIETE, Lucknow, Dr N. R. Kidwai, Dean JIT, Barabanki, Dr Mohd. Tariq MBP Govt. College, Gorakhpur, Dr Isht Vibhu, Head of Physics Dept., YDPG College, Lakhimpur, Dr Puneet Mishra, Department of Computer Science, Lucknow University, Dr Mahendra Agnihotri, Department of Physics, Lucknow University, Dr. Mohd. Tariq, MBP Govt. College, Lucknow, Dr. P. K. Bharti, Head of ME Department, Integral University. The authors were queried both by the experts as well as the audience. Sessions’ best papers were selected by the session Chairs. During the

valedictory program conducted in the evening, the Chief Guest Prof M. Abdel Wahab, Department of Engineering Science, Suez University, Egypt, congratulated the University and the Management on organizing a national conference on a contemporarily relevant theme and offered his respective organizations help and support in organizing such programs in the future too. Dr. Imitiyaz Ashraf, Professor at AMU, Aligarh was also a Guest of Honour on this occasion. A few participants who gave their feedback on the conference praised the department for hosting its first ever conference in such an impeccable manner and said that they were overwhelmed by the hospitality offered by the organizers. On behalf of the departments of ECE, EE & Physics, Dr Mounawer Alam, Head of EE, delivered vote of thanks. He thanked all the sponsors, advertisers, delegates, representatives from the media and the faculty and student for their magnanimous support and assured that university will organize more such activities in the future. That concludes a remarkable, memorable and knowledgeable conference ETNCER-16. The Conference Souvenir CD was released by the Chief Guest on the occasion and the certificates to the participants too were given away. After the valedictory program, high tea was served and the conference came to an end, leaving fond memories in the minds of the guests and delegates and great sense of satisfaction and accomplishment in all members of the faculty and staff and student volunteers who were associated with its preparation and organization over a period of three months.

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IEEE UP Section

SMART 2016

Fifth International Conference on “System Modeling & Advancement in Research Trends” (SMART 2016), in technical co-sponsorship with IEEE UP Section, was organised by College of Computing Sciences & Information Technology, Teerthanker Mahaveer University, Moradabad from 25th to 27th November, 2016. This conference brings together leading researchers, engineers and scientists in the domain of interest from around the world by providing a platform to present new advances and research results in the fields of Computational Sciences, system modeling and computer science. The main objective of SMART 2016 was to provide platform for the researchers, engineers and scholars in the field of computer science and information technology to disseminate their latest research results and exchange views on the future research directions in these areas. The purpose of this conference is to make a scientific contribution to the field of computational creativity through discussion and publication on progress in fully autonomous creative systems, modelling human and computational creativity, computational support for human creativity, simulating creativity, and human/machine interaction in creative endeavours. Contributions come from many relevant disciplines, including computer science, artificial intelligence, engineering design, cognitive science,

The conference focuses on the study and exchange of academic achievements of international researchers. It serves as academic discussion communication platform which is beneficial for research in the field of computer science aiming to stimulate researchers in their work. The collection of papers in this conference proceedings are on Algorithms and Computational Mathematics, Machine learning and optimization,