

A brief report on HEAM SCIENTIST-2013

IAHEAM organized HEAM SCIENTIST-2013 (an annual national seminar on Hydrogen Energy and Advanced Materials for young scientist) on 12-13 December 2013 after the successful accomplishment of HEAM SCIENTIST-2012. The conference was attended by young research scholars, PG/degree students, scientists, industrialists, faculties, eminent academicians/scientists from various reputed research/technical and educational institutions from all over India.

First day of the conference consisted of oral as well as poster presentations. Mr. Vaisakhan Thampi D.S. from NIIST won the award for the best oral presentation. He focused on the electrical properties of structurally modified pyrochlore-type samarium zirconate. Other participants, namely, Dr. S. Anas from T.K.M. College, Mr. Karthik Harikumar from Central University of Tamil Nadu, M/s M. Vanitha from Anna University, Chennai, V.S. Dhanya from M.G. College, Trivandrum and Mr. Sadanandam from IICT Hyderabad presented their papers well. The programme came to an end by 06.00 pm.

Second day of the program began with a technical talk entitled “Metal hydrides as hydrogen storage materials” by Prof. P. Selvam, IIT, Madras. Prof. Selvam highlighted the essentiality of deep knowledge in the basic crystal structure of hydrogen storage materials in order to understand the mechanism of hydrogen storage. It was followed by a talk by Dr. M. Sterlin Leo Hudson from Central University of Tamilnadu on graphene based hydrogen storage material. Third technical talk entitled “Nano confinement of magnesium hydride for hydrogen storage applications” was delivered by Dr. D. Pukazhselvan, Aveiro University, Portugal. This presentation ignited much enthusiasm among the audience who participated in active discussions thereafter. The poster session saw immense participation from many researchers/scientists/faculty members who presented their on-going research work related with hydrogen production, storage/ applications. Ms. Linsha Vazhayal from NIIST, Trivandrum won the best poster award. The afternoon session began with an invited talk of Dr. Himanshu Raghubanshi from Allahabad University who described about hydrogen storage alloys for the synthesis and characterization of carbon nano structures. The talk that followed was delivered by by Dr. Karunakaran Venugopal, NIIST, Trivandrum ho educated the gathering about “Femto

second vibrational coherence spectroscopy”. The last technical talk of the conference was handled by Dr. R. Manu, CECRI, Karaikudi who explained explicitly, the surface profiling of exotic materials using XPS.

Dr. S.M.A. Shibli, President, IAHEAM inaugurated the HEAM SCIENTIST award ceremony and declared and awarded Dr. Thakur Prasad Yadav as HEAM SCIENTIST-2013. The prestigious HEAM SCIENTIST-2013 title included a certificate and a cash prize of Rs. 30,000/-. Dr. Yadav gave a wonderful reply speech. Feedback from the audience was all in positive who thanked the organizing committee for this wonderful experience and this made the organizing committee feel proud and contented. One of the valuable suggestions was to change the venue next time. A general opinion that took shape during the conference was that Indians still have a long way to go to make considerable impact on hydrogen. An informal meeting was also arranged to chart out HEAM SCIENTIST-2014. Dr. Suneesh C.V., Assistant professor, Department of Chemistry, University of Kerala proposed vote of thanks. The event came to an end with the National Anthem.
