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IEI news

MEMORIAL LECTURES

The following Memorial Lectures, instituted by the Institution in the memory of students in the engineering profession, formed a very important feature of the Congress. During the Twenty-fifth Indian Engineering Congress, these lectures were delivered by leading experts from diverse fields.

The 53rd Sir Mokshagundam Visvesvaraya Memorial Lecture

Dr. R. Radhakrishnan
 Director, Centre for
 Technology Studies

Instituted in 1957-58 in the memory of Late Bharat Ratna Sir M. Visvesvaraya, the great Indian engineer, this lecture, delivered by Dr. R. Radhakrishnan, Chairman, IITB, in the topic, 'Space Transportation System: Indian Scenario in the Future' was presented by Mr. S. R. Vijayarathnam, Deputy Project Director (PBLU), ISRO, Thiruvananthapuram, and a Member of IIT Council, in absence. He highlighted the activities of ISRO with special reference to indigenous developments in Space Transportation Systems (STS) and its relevance to the development of the sector. He highlighted the evolution of ISRO launch vehicles, PSLV and GSLV, and launched recent ventures of successful launching and placing of 1000kg spacecraft in the GTO. Mr. Vijayarathnam, focused on specific technologies pertaining to aerodynamics, mission and vehicle design, solid and liquid propulsion systems, materials and structures, etc. Speaking of the future course of action, he spoke about innovative concepts in the areas of satellite propulsion and air-breathing propulsion, reusable launch vehicle, rocket reuse/flight, etc.

The 45th Nidhu Bhushan Memorial Lecture

Mr. M. Murugesan
 Director, Centre for
 Technology Studies

This lecture, instituted in the year 1966 in the memory of Late Nidhu Bhushan Chatterjee, a noted scholar, was delivered by Mr. M. Murugesan, Director General, Central Power Research Institute (CPRI), in the topic, 'Power Development in India including Smart Grid'. Through his lecture, Mr. Murugesan presented the current power scenario in India and the future power requirements. He also mentioned the growth that has given details regarding the Ultra Mega Power Projects and creation of National Grid. He has also given a brief description of the Smart Grid Technology – its Business Opportunities and Challenges.

The 36th Bhaikaka Memorial Lecture

Mr. R. Prasad Rao
 Director, Centre for
 Technology Studies

This lecture was instituted in the year 1979 in the memory of Late Bharat Ratna P. V. V. Srinivasan, an eminent engineer, educationalist and administrator. Mr. R. Prasad Rao, Chairman and Managing Director, BHEL, Pune Office, delivered the lecture on 'Technological Challenges for a More Sustainable and Sustainable Planet with Special Reference to power Sector'. He started his lecture on the backdrop of India as an energy growing industrial power trying to ensure energy and environmental sustainability without compromising on its social and economic development. His definition includes strategies to deal with issues of environment sustainability and climate change, India's Climate Change Mitigation Strategy following the Copenhagen Accord, constraints and implementing Technology Policy with focus on low carbon technologies, etc. He also mentioned the need for energy security as the need arises for mitigating the impact of climate change. He has mentioned that there were emerging technologies such as advanced fossil fuel conversion, biomass and bioenergy, wind power, geothermal, transmission, and distribution technologies that could help in achieving innovation future and other environmental goals.

The 32nd Sir Rajendra Nath Mookerjee Memorial Lecture

Mr. S. J. Singh
 Director, Centre for
 Technology Studies

This lecture was instituted in the year 1960 in the memory of Late Sir Rajendra Nath Mookerjee, a noted scholar and President of the Institution. This lecture, delivered by Dr. S. J. Singh, IAS, IISc, Director General, IITB, in the topic, 'Transition - The Challenges of Change' was presented by Mr. G. R. Subramanian, IAS, Additional Director General, IITB, in absence. He highlighted the role of engineers in the human evolution towards a healthy planet with modern world. Speaking about the future challenges, he highlighted various issues like capturing solar power, pulling in sea water energy associated with nuclear fission, also touching nitrogen cycle, genetic food, water supplies, genetic biological, disaster and so on. Mr. G. R. Subramanian mentioned that engineers should design infrastructure for coping with climate change while maintaining the ability of structures to produce adequate food supplies. He emphasized to change the perception of engineering to attract young great minds. For enhancing engineering and its contribution to national growth, he presented a blueprint for networking between academia, industry and defence forces and emphasis on creation of Centers of Excellence in different fields of Engineering.

The 23rd Dr. Ajitkumar Nath Khosla Memorial Lecture

Dr. Abdul Razzak Rumane
 Director, Centre for
 Technology Studies

This lecture, instituted in the year 1960 in the memory of Late Dr. Ajitkumar Nath Khosla, an outstanding engineer-administrator and a Past President of the Institution, was delivered by Dr. Abdul Razzak Rumane, a certified consultant in Electrical Engineering and a certified Accredited Value Specialist on the topic 'Cost of Quality in Construction Project'. Dr. Rumane, in a laid manner, explained the complex connection between cost and quality and went on to describe different types of cost related to quality and finally converging the cost of quality in construction. He emphasized the use and importance of quality management system to reduce the cost of quality.

The 19th Dr. Amitabha Bhattacharyya Memorial Lecture

Mr. H. S. Chandra
 Director, Centre for
 Technology Studies

This lecture, instituted in the year 1962 in the memory of Late Dr. Amitabha Bhattacharyya, an eminent engineer-scholar, and a Past President of the Institution, was delivered by Dr. H. S. Chandra, President, Institution of Engineering and Technology (IET), UK, in the topic, 'The Engineer's Challenge - The Reality of Meeting GSD Commitment Target'. Dr. Chandra in his lecture expressed concern about 'quality problem' that has resulted from increasing customer demands, increasing cost of an engineering product, of resources that have high quality and business involving high pressure. He mentioned the urgent gathering about the need to effectively counter the demand that in the same time the need to be cautious in our approach. Dr. Chandra emphasized that the need of the hour is to be honest to oneself, own it, learn, accept the same problems and try to find a solution. He mentioned that the solution is to be honest to oneself, own it, learn, accept the same problems and try to find a solution. He mentioned that the solution is to be honest to oneself, own it, learn, accept the same problems and try to find a solution. He mentioned that the solution is to be honest to oneself, own it, learn, accept the same problems and try to find a solution.

Eminent Engineering Personalities felicitated during the Congress

Prof. D. S. Chandra
 Director, Centre for
 Technology Studies

Dr. K. Srinivasan
 Member of Council,
 Institution of Engineering and
 Technology

Dr. S. P. Kulkarni
 Former Director, IITB,
 (Director, Centre for
 Technology Studies)

V. K. Arora
 Vice-Chancellor,
 Indian Institute of
 Space Science and
 Technology

NDRF Design Awards 2010

The National Design and Research Forum (NDRF) - a corporate body of the IITB, awarded these awards with a view to promote advancement of engineering design and to facilitate exchange of ideas on different aspects during the Twenty-fifth Indian Engineering Congress at Kolkata, following Design Awards for the year 2010 were presented.

Mr. S. P. Kulkarni
 President, NDRF
 Former Director, IITB,
 (Director, Centre for
 Technology Studies)

Mr. J. Srinivasan
 Director, Centre for
 Technology Studies

Mr. S. P. Kulkarni
 Director, Centre for
 Technology Studies

IEI's Best Centre Awards

The Andhra Pradesh State Centre and Pune Local Centre of the Institution have been awarded the Best Centre for Best all-round performance during the year 2009-2010. The awards, comprising trophies and certificates along with cash awards were given away to the respective Centres at the 3rd Annual General Meeting of the Institution held at Kolkata on December 18, 2010.

IEI Industry Excellence Awards

IEI Industry Excellence Awards were instituted by the Institution to recognize the overall achievement of the industries including productivity, quality and performance assurance and contribution to the society. These awards in various categories, were given to many industries. The award winners are: Tata Steel Ltd, Jamshedpur and Novelty Light Corporation Ltd, who are the leaders in their own field in the light competitive world. The award winners for the year 2010 were presented during the inaugural Session of the Twenty-fifth Indian Engineering Congress held at Kolkata on December 17, 2010.

Safety and Quality Awards

Safety and Quality Awards were instituted by the Safety and Quality Forum (SQF) of the Institution with a view to encourage professionals from manufacturing and service sectors to strive for excellence. For the year 2010, Mr. Chandra Srinivasan, Gen. Deputy General Manager (GDM), in-charge, HSE HCP & TIVC, Larsen & Toubro Ltd, Chennai received the Safety Award whereas, Mr. Maheshwar Singh, Additional General Manager (AGM), HSE, Bharat Heavy Electricals Limited, Mumbai, received the Quality Award. The awards were presented to the recipients during the inaugural Session of the Twenty-fifth Indian Engineering Congress held at Kolkata on December 17, 2010.