FEIAP ENGINEER OF THE YEAR AWARD 2013

Pradeep Chaturvedi

Member of the Council of
The Institution of Engineers (India)

Born on 27 April 1946, Mr Pradeep Chaturvedi graduated in specialty course of Automobile Engineering from Madras Institute of Technology in 1968. His first assignment was with Premier Automobiles Ltd -- one of the two leading automobile manufacturing companies in India -- in their R&D Division with specialization in Auto Engine Designs. During this assignment till 1972, Mr Chaturvedi worked on engine design modifications and also represented the company on the Committees of Bureau of Indian Standards (BIS).

Mr Chaturvedi then worked as the Secretary General and later as the Chairman of Indian Association for the Advancement of Science and implemented a large number of national and international projects, under funding of UNFAO, UNESCO, UNDP, UNIDO, ESCAP, EU and Commonwealth Secretariat, as Project Coordinator or International Consultant during last four decades. Mr Chaturvedi has been actively involved with The Institution of Engineers (India) as Chairman, Delhi State Centre of IEI (2000-2002); Chairman, Mechanical Engineering Division of IEI (1999-2003); Chairman, Safety & Quality Forum of IEI (2003-3006) and Member, Governing Council of IEI during 1995-2008 (except 2007) and also at present.

Mr Chaturvedi has been involved in projects related to technology development, application and evaluation, such as, Feasibility Study for setting up a 30 MW solar thermal power station in the State of Uttar Pradesh, India; Technology Assessment for Solar Evacuated Tube collectors for medium temperature heat in process industries; Cost-Benefit Analysis of domestic and industrial solar water heating systems and solar cookers; Development of solar water heater cleaning process to avoid corrosion and chocking in operation; Wood-based gasifier systems for their field trials and acceptability; Implementation of renewable energy system based projects in India, Nepal, Srilanka, Bangladesh, Thailand, Fiji, Vanuatu, Solomon Island, Kirbati, Tuvalu and Malaysia and adapted the same to locally available raw materials; Development of policy framework and technology package for introducing bio diesel programme, based on Jatropha plantation, in Cambodia through the network and associations of small farmers.

Mr Chaturvedi has been associated with the World Energy Council since 1983, coordinating the work of its India Member Committee. He worked on energy data base for India and other South Asian countries and prepared the India Country Report for presentation at various World Energy Congresses being held once in three years. He also served as resource person to the SAARC Secretariat for the Regional Consultation at Colombo in July 1988 and also as resource person to the SAARC/WEC consultation for South Asia Regional Renewable Energy Financing held at Colombo in June 2000. Mr Chaturvedi also served on the Group to prepare the WEC Report entitled ‘The Challenges of Rural Energy Poverty in Developing Countries’ published in 1999.

He served on the Group to prepare the World Energy Assessment Report and Challenges of Sustainability prepared jointly by WEC, UNDP and ECOSOC in 2000. Mr Chaturvedi also chaired the Group on Energy Dimensions of Disaster Management published by the World Energy Council – IMC in 2006.

Mr Pradeep Chaturvedi has also been actively involved in the activities of the World Federation of Engineering Organizations (WFEO). He has been the Vice-Chairman of the Energy Committee of WFEO since 2003; have assisted WFEO to prepare and finalize its two reports on Nuclear Energy Technologies and Wind Power Technologies; has been the Vice-Chairman for Asia on the Committee on Engineering for innovative Technologies of WFEO since 2007; have assisted WFEO to prepare the approach paper for use of technologies for climate security and also assisted in developing the WFEO Web Portal. Mr Chaturvedi has also chaired the Sub-Committee on Sustainable Energy under WFEO Committee on Energy and prepared a Monograph on Sustainable Energy Engineering in 2009.

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