

## PREFACE

In recent years, several National Academies of Engineering have identified **Engineering Education** as one of their major issues of concern. Some of the themes include : development and education of engineers; enhancing and promoting engineering education; increasing attractiveness of engineering education and retention of students; quality of engineering education offerings; promoting industry-institute interaction; research and Ph.D. education; engineering education and engineers for the XXI century.

The two US National Academy of Engineering Reports : “The Engineer of 2020- Visions of Engineering in the New Century”; and “Educating the Engineer of 2020- Adapting Engineering Education to the New Century”, have dwelt on how the Engineering Education System has to be re-engineered in order to meet the emerging demands on the engineering graduates, such as the requisite knowledge, skills and attitudes that confer employability in the present, and a foundation that enables them to function effectively and productively in the future which has not yet unfolded, and whose contours will be decided by them.

Three important institutions, viz., Indian National Academy of Engineering (INAE), Council of Academies of Engineering and Technological Sciences (CAETS), and Indian Institute of Technology Madras (IITM), have come together to organize this Conference on International Engineering Education at IIT Madras. We had 24 invited presentations during the Conference, covering 8 important themes, drawn from 10 countries.

Some of the objectives of this Conference included: exchange of information on individual National Engineering Systems of CAETS Member Academies; promotion of interaction between Fellows of CAETS Member Academies; exploring the potential for bilateral / multilateral collaboration; and focusing attention on Engineering Education as a predominant concern of Engineering Academies. It is believed that most of these expectations have been fulfilled.

On behalf of the International Advisory Committee, it is a pleasure to express our grateful thanks to the Secretariats of CAETS, INAE and IIT Madras; Sponsors; the Invited Speakers; Chairmen of Sessions; Delegates; and Members of the Local Organizing Committee who have contributed generously of their time and energy.

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