

Engineering best practise improves planet

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From the 15th until 19th of June 2008, the International Council on Systems Engineering (INCOSE) is holding its 18th Annual International Symposium (IS2008) in Utrecht, the Netherlands.

The INCOSE International Symposium provides the premier annual international forum for participants from government, industry and academia to share knowledge on the most recent innovations, trends, experiences and concerns within the profession of Systems Engineering. The technical program is the core of the symposium, and the common focal point for networking for the more than one thousand participants who will attend the 5-days event.

This year's theme focuses concern on achieving balanced solutions that account for the social, technological, economic, environmental, and political constraints, in engineered solutions. Speakers will address the ways in which these concerns challenge the defence industry for security and terrorism; the transportation industry; and the space industry for earth oriented satellite systems. Engineers will also explore ways in which they can apply systems approaches to manage resource scarcity, sustainable development, prevent and repair environmental damage, ensure safety and security, and resolve social imbalances. Other topics include technology insertion, process improvements and organizational governance of the systems we make, manage, operate and maintain over their life cycle in their respective environment 'locally or globally' to the benefit of companies and to society as a whole.

The closing plenary speaker will be Dr. Jean Botti from EADS. Dr. Jean Botti will deliver a speech about "Aerospace and the Environment - a Global Systems Innovation Challenge". Dr. Jean J. Botti is Chief Technical Officer (CTO) of EADS and a member of the EADS Executive Committee. Prior to assuming this position, Dr. Botti served as executive director Delphi Corporation. In 2002, he managed the newly created the Corporate Dynamics & Propulsion Innovation Centre as the Chief Technologist. He was awarded the General Motors President Council Award in 1998 and has been elected to the rank of Fellow of the Society of Automotive Engineers. He is a member of various engineering and technology societies, and the Centre National Recherche Technologique (CNRT) in Belfort, France.

Details of the program and registration details can be found on the conference website www.incose.org/symp2008.

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About Systems Engineering and INCOSE

The International Council on Systems Engineering (INCOSE) is a not-for-profit membership organization founded to advance the art and practice of systems engineering by helping individuals and enterprises turn complexity into competitive advantage. The Councils mission is to foster the definition, understanding, and practice of world class systems engineering in industry, academia, and government.

Systems Engineering is based upon the delivery of system effectiveness through the balanced interaction between system elements across a range of technologies; and an understanding of the complex behaviour which emerges when system are used together in a real world environment. Systems engineering integrates all the disciplines and specialty groups into a team effort by creating a structured development process that proceeds from concept to production to operation. Systems engineering considers both the business and the technical needs of all stakeholders with the goal of providing a quality product or service that meet the user real needs.

INCOSE is committed to shaping a future where this systems approach is preferred and valued for projects of all sizes and at all levels of problem solving from providing integrated technology solutions for product development; through matching products and services to real user need to enabling holistic solutions to global challenges.

INCOSE has grown significantly since its formation in 1990. Today, there are over six thousand members representing a

broad spectrum – from student to senior practitioner, from technical engineer to program and corporate management, from science and engineering to business development. Members work together to advance their technical knowledge, exchange ideas with colleagues, and collaborate to advance systems engineering. Its individual members are affiliated with over 50 chartered chapters or national societies worldwide which are organized in Regions. The chapters, volunteer committees, and working groups provide the energy and direction for the organization. In addition, nearly 60 international enterprises from industry, academia, and government participate in INCOSE. The industries represented include aerospace, space, automotive, defence, electronics, energy, general machine building, health, IT, mining, ship building and transport.

For further information and to find links to INCOSE Chapters, Visit: www.incose.org

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