MIT Conference on Systems Thinking for Contemporary Challenges 2010

Energy

Sustainability

Healthcare

Service Systems

A Milestone for INCOSE: *INCOSE Pioneer 2010*

Criteria:

'The Pioneer Award is presented annually to one distinguished individual or team, who by their achievements in the engineering of systems, has contributed uniquely to major products or outcomes enhancing society or its needs. The criteria may apply to a single outstanding outcome or a lifetime of significant achievements in effecting successful systems.

The Pioneer Award recognizes outstanding pioneer-applications of Systems Engineering in the development of successful products or services of benefit to society. Examples include applying systems engineering principles to unique, highly complex problems; the successful application of systems engineering to brand new market segments and outstanding examples of advancing the state of the art and /or practice of systems engineering beyond its current bounds.'

Past Recipients

- 1997 – *Simon Ramo*
- 1998 – *Derek Hitchins*
- 1999 – *Eberhardt Rechtin*
- 2000 – *Wolt Fabrycky/ Ben Blanchard*
- 2001 – *Harold Mooz/ Kevin Forsberg*
- 2002 – *Andrew Sage*
- 2003 – *A. Wayne Wymore*
- 2006 – *Philip M'Pherson*
- 2007 – *John Warfield*
- 2008 – *Peter Checkland*
- 2009 – *LIU Pao Chen*

INCOSE Comes of Age at 20

- All previous recipients came from ‘the usual suspects’
- INCOSE participation has expanded into many domains, but not Pioneer awardees—until now!

2010 INCOSE Pioneer Julian Goldman, MD

- Medical Director of Biomedical Engineering for Partners HealthCare
-Founding Director of the Program on Medical Device Interoperability at CIMIT (Center for Integration of Medicine and Innovation Technology)
-Dr. Goldman performed anesthesiology residency and fellowship training at the University of Colorado. He joined Harvard Medical School and the Department of Anesthesia, Critical Care, and Pain Medicine at the Massachusetts General Hospital in 2002, where he continues to practice clinical anesthesia.

Citation:

For demonstrated extraordinary leadership in the advancement of the state-of-the-art and practice of systems engineering in the biomedical and healthcare fields. Through his pioneering work, Dr. Goldman has shown that breakthrough improvements in patient safety can be achieved by bringing together individuals and groups from the commercial, non-profit, education, and government sectors to focus on "the system of interest." The most impressive legacy of his work is in hearts and smiles of living, breathing patients, who, without his trailblazing efforts, might not be here today.

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Fall 2010

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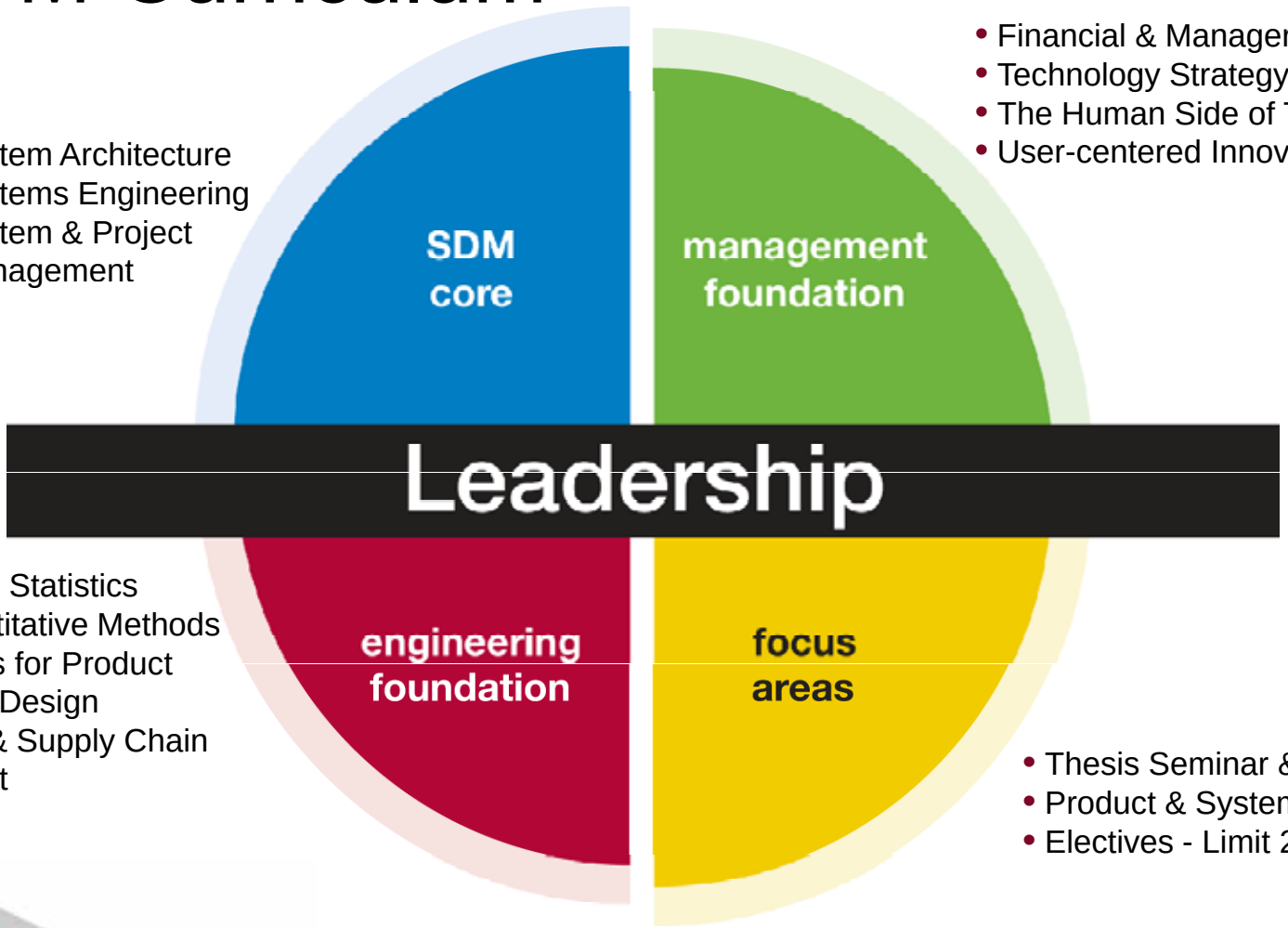
SDM Curriculum



- System Architecture
- Systems Engineering
- System & Project Management

- Financial & Managerial Accounting
- Technology Strategy
- The Human Side of Technology
- User-centered Innovation

- Probability & Statistics
- ERBA/Quantitative Methods
- Real Options for Product and System Design
- Operations & Supply Chain Management

- Thesis Seminar & Thesis
- Product & System Design
- Electives - Limit 2 @ Sloan

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