Preamble
Great ancient builders were designers, engineers and constructors of the edifices they were charged to realize by their patrons. They worked as one singular discipline and had total and complete control – and responsibility - over the entire process. As a result they developed a systematic approach to coordinate the design-engineer-build process. Such a system must have bridged many design and construction disciplines, and likely had one system language to interlink these disparate activities.

Have we abandoned the approach of a universal system language? Is AEC still a complex system, and what kind of tools have we developed to navigate within this complex system? Were system languages such as Systems Approach, Modular Coordination, Project Management, Shakkan-Ho, Geomancy, CATIA, and practitioners such as Archigram, Paolo Soleri, Sir Norman Foster, Frank O. Ghery simple precursors to the revival of a more complex, perhaps Babelian, approach to AEC in the future?

The Symposium Intention
The primary intention of this symposium is to provide a forum for theorists, practitioners, educators and researchers working independently, and in isolation in specific areas, to participate in larger and more holistic arenas such as systems research, cybernetics, and inter-disciplinary studies. This symposium will attempt to promote cross-communications and inter-disciplinary discourses in AEC, and will have three convergent streams of investigation:
Focus on the Symposium
This special focus symposium will provide a forum for high quality discussion of recent advances in architecture, engineering and construction. Of particular interest are papers referring to case studies that investigate new pedagogical models, innovative application methods, and integrative design processes. Topics include (but are not limited to):

- Architecture as Complex Systems
- History of Technology
- Traditional Oriental Architectural Systems
- Geomancy
- Environmentalism
- Descriptive Geometry
- Knowledge Mapping and Education
- Virtual Reality Applications
- Virtual Object Repository and Information Systems
- Design Creativity and Thinking Simulation
- Cognitive Modeling of Design Processes
- Artificial Intelligence
- Computer-Aided Manufacturing
- Modular Coordination
- Robotics
- Rapid Prototyping and Modeling
- Alternate Procurement Systems
- Just-in-Time Construction
- Design-Build
- Design-Build-Operate
- Private-Public Partnerships

Who should be interested?
Architects, architecture researchers, historians, urban designers and city planners, construction engineers, project managers, systems designers.

Call for Papers
Papers within the scope of the focus symposium are welcome. Abstracts of approximately 200 words should be submitted for evaluation. All proposals will be judged based on scholarly quality, originality and potential for further discourse. Papers must be written in English. Abstracts may be submitted electronically (MS-Word attachment preferred), by mail, or by fax to be received no later than March 30, 2005 to:
Professor Yew-Thong Leong  
Department of Architectural Science  
Faculty of Engineering and Applied Science  
Ryerson University

Mail:  
350 Victoria Street  
Toronto, Canada M5B 2K3

Electronic Mail:  
archsymp@ryerson.ca

Facsimile:  
(416) 979-5353

**Review Process and Conference Proceedings:**

All submitted papers and abstracts will be peer reviewed. Final papers should not exceed 5 single-spaced typed pages. Conference and/or symposium proceedings will be published, and selected papers may also be published in book format.

**Important Dates**

- March 30, 2005 Abstract due  
- April 9, 2005 Notice of Acceptance  
- May 9, 2005 Final Paper due

**Conference Chair**

Professor George E. Lasker  
The International Institute for Advanced Studies in Systems Research and Cybernetics  
University of Windsor  
Windsor, Ontario, Canada N9B 3P4  
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**Symposium Chair**

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Complete conference and symposium details (paper submission guidelines, copyright transfer form, conference registration form, etc.) are available from the InterSymp' 2005 Home Page at:
http://www.iias.edu/

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