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JOEL MOSES
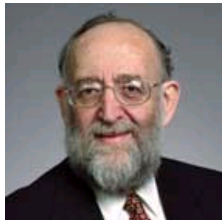
Position: Institute Professor
Office: 32-249
Phone: +1 (617) 253-8592
Email: moses@csail.mit.edu
Areas of Study: Classic AI-Bio
Last Update: November 1, 2010
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BIOGRAPHY

Joel Moses is an Institute Professor as well as Professor of Computer Science and Engineering and Professor of Engineering Systems. He has been provost, dean of engineering, head of the EECS Department, and associate head of the department in the past 25 years.

His group developed the MACSYMA system for formula manipulation, the model for the systems in existence today. In his doctoral dissertation he developed the concept of Knowledge Based Systems. He is a member of the National Academy of Engineering and the American Academy of Arts and Sciences, Fellow of the ACM, Fellow of the IEEE and the Amer Assoc for the Advanc of Science.His recent interests are in the relationship of complexity and flexibility in large scale systems, as well as the modelling of intelligent behavior in the mind.

PUBLICATIONS

Joel Moses: My Memoirs (pdf format.)

Papers presented at the 2004 Engineering Systems Symposium:

Author of Monograph Chapter "Foundational Issues in Engineering Systems: A Framing Paper"

Co-Author of Monograph Chapter "The Influence of Architecture in Engineering Systems"

Author of Submitted Paper "Three Design Methodologies, their Associated Organizational Structures and their Relationship to Various Fields"

AWARDS

Association for Computing Machinery: Fellow (2009)

Louisiana State University: Chancellor's Distinguished Lecturer (2002)

MIT: Institute Professor (1999)

Institute of Electrical and Electronics Engineers: Fellow (1990)

American Academy of Arts and Sciences: Fellow (1987)

National Academy of Engineering: Member (1986)

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