



FIRST INTERNATIONAL NANOTECHNOLOGY CONFERENCE ON COMMUNICATION AND COOPERATION

Speaker's Bio

Jack Solomon
Director of Technology Assessment and External Relations
Praxair, Inc.



Dr. Jack Solomon is Director of Technology Assessment for Praxair Inc., an industrial gas company. In that position he identifies new technologies, evaluates technologies from a business and technical standpoint, manages intellectual property activities and maintains outside contacts for Praxair.

He received a BS in Chemistry degree from MIT in 1963 and a PhD from Columbia University in 1967.

Jack has served as chairman of Vision2020 for the Chemical Industry for the last four years. During that time Vision2020 has been aggressive in providing opportunities for partnerships between Industry, Universities and the National Labs, for example an ionic liquids roadmap has been prepared and steps are being taken to increase funding in areas of industrial interest.

Recently, Jack has led a Vision2020 effort which resulted in the roadmap, "Chemical Industry R&D Roadmap for Nanomaterials by Design: From Fundamentals to Function". Vision2020 and the Council for Chemical Research have continued the effort to encourage focused research investment and collaboration in nanomaterials through the formation of two Working Groups, one on Environmental, Safety and Health issues.

He organized the "Presidential Symposium: Commercial Aspects of Nanotechnology" at the American Chemical Society Annual Meeting in March 2004 and has also presented and discussed the roadmap at the Commercial Development and Marketing Association, Industrial Research Institute, Nanobusiness Alliance and recently at the National Nanotechnology Initiative Workshop II.

Also, Jack has been active in the Council for Chemical Research, serving on the Board of Directors and as a leader in a Network encouraging increased investment in Research. Recently he helped organize a Collaboration Workshop which allowed Industry, National Lab and University R&D people to identify potential Research and Development collaborators.

During the 1980's Jack participated in the initial workshops for Sematech, the semiconductor industry consortium, was on the Executive Technical Advisory Board of Semiconductor Research Corporation and was co-chairman of the Technical Sessions at Semicon West in 1986. Also he was lecturer at a short course on defects(semiconductor industry) at the University of Arizona in February 1989.

He was a participant in the National Research Council study "New Directions in Manufacturing", a workshop held on March 27 and 28, 2003. During the "Challenges for the Chemical Sciences in the 21st Century workshop" on Energy and Transportation at the National Academy of Sciences he gave a talk titled "Collaboration in Solving Energy Problems".