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INTERNATIONAL COLLABORATION IN FUSION ENERGY DEVELOPMENT

PREFACE: INTERNATIONAL COLLABORATION IN FUSION ENERGY DEVELOPMENT

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KunMo Chung (PhD, Michigan State University, 1963) is currently managing nuclear energy policy studies at the National Science Foundation. He holds a research professorship of nuclear engineering at the Polytechnic Institute of New York. Previously, he worked on plasma experiments at the Princeton Plasma Physics Laboratory, the Massachusetts Institute of Technology Research Laboratory of Electronics, and the Polytechnic Institute of Brooklyn. His research interests are in engineering development of nuclear power programs and technology policy analysis.



ON INTERNATIONAL COOPERATION IN FUSION RESEARCH AND DEVELOPMENT

David J. Rose

David J. Rose [PhD, plasma physics and gaseous electronics, Massachusetts Institute of Technology (MIT), 1950] joined the faculty of the Nuclear Engineering Department at MIT in 1958 after seven years at Bell Telephone Industries. He established MIT's program in plasmas and controlled fusion. From 1969 to 1971 he was director of long-range planning at Oak Ridge National Laboratory. His current interests include energy technology and policy and the interactions between technology and society.



AN ANALYSIS OF POTENTIAL BENEFITS TO THE UNITED STATES FROM INTERNATIONAL COOPERATION IN FUSION ENERGY DEVELOPMENT

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Peter J. Kortman (not pictured) (BS, engineering physics, Cornell University, 1965; PhD, solid-state physics, Carnegie Mellon University, 1971) is presently technical director of Fusion Power Associates, in addition to being a program analyst and strategic planning consultant to a number of programs within the Office of Fusion Energy in the U.S. Department

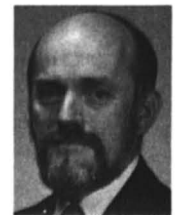
of Energy. He spent a year postdoctorate in applied mathematics at Brookhaven National Laboratory and three years in solid-state physics theory at the Nuclear Research Center in Jülich, Federal Republic of Germany. He has been actively involved in military and energy systems, and policy and program analysis since 1975. **Stephen O. Dean** (BS, physics, Boston College; MS, nuclear engineering, Massachusetts Institute of Technology; PhD, physics, University of Maryland) is president and chief executive officer of Fusion Power Associates. From 1972 to 1979, he was director of the Magnetic Confinement Systems Division of the Office of Fusion Energy at the U.S. Department of Energy. From 1968 to 1972, he worked as a research physicist at the U.S. Naval Research Laboratory.



U.S. STRATEGY FOR INTERNATIONAL COLLABORATION ON MAGNETIC FUSION ENERGY DEVELOPMENT—A TECHNOLOGICAL AND SCIENTIFIC VIEW

Weston M. Stacey, Jr.

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INTERNATIONAL COOPERATION IN SCIENCE AND TECHNOLOGY RESEARCH AND DEVELOPMENT: SOME REFLECTIONS ON PAST EXPERIENCE

Lawrence Scheinman

Lawrence Scheinman is professor of international law and relations and faculty associate, Center for International Studies, Cornell University. His professional career encompasses academic research, teaching, and administration with particular emphasis on policy development and evaluation at the intersection of politics and technology. He was head of the Office of International Policy Planning of the Energy Research and Development Administration and subsequently as senior adviser to the undersecretary and principal deputy to the deputy undersecretary of state for security assistance, science, and technology.



INTERNATIONAL COOPERATION IN FUSION ENERGY: ORGANIZATION, ADMINISTRATION, AND OBSTACLES

John E. Metzler

John E. Metzler (BS, physics, Holy Cross College, 1969; MS, aeronautics and astronautics, Massachusetts Institute of Technology, 1971) has performed a variety of tasks in his career with the federal government, including technology assessments, policy studies, and negotiation of international agreements. Currently he is a member of the staff of the Office of International Affairs in the U.S. Department of Energy where he is responsible for the coordination and implementation of international research and development programs in fusion and high energy and nuclear physics.

