

PLENARY: PREPARATION FOR THE GLOBAL WORKFORCE

Plenary Speakers

Martha Krebs, Ph.D.
Director, Office of Energy Research
Department of Energy

Dr. Martha Krebs was nominated by President Clinton in 1993 to be the Director of the Office of Energy Research in the Department of Energy. As Director, Dr. Krebs manages one of the largest sponsors of basic research in the federal government. In addition she is the Department's Science and Technology Advisor, advising the Secretary on science and technology issues that cut across DOE programs, including transfer of technology and science education, training activities and management of the Department's laboratories. Dr. Krebs earned an A.B. and Ph.D. in Physics from the Catholic University and is a member of Sigma Xi and Phi Beta Kappa. She was also a National Science Foundation Fellow.

Shirley Malcom, Ph.D.
Head of the Directorate for Education and Human Resources Programs
American Association for the Advancement of Science

Dr. Shirley Malcom is Head of the Directorate for Education and Human Resources Programs of the American Association for the Advancement of Science (AAAS). The directorate includes AAAS programs in education, activities for underrepresented groups, and public understanding of science and technology. Dr. Malcom was head of the AAAS Office of Opportunities in Science from 1979 to 1989. Between 1977 and 1979, she served as program officer in the Science Education Directorate of the National Science Foundation. Dr. Malcom received her doctorate in ecology from The Pennsylvania State University; master's degree in zoology from the University of California, Los Angeles; and bachelor's degree with distinction in zoology from the University of Washington. In addition she holds seven honorary degrees. In 1995 Dr. Malcom was elected a fellow of the America Academy of Arts and Sciences. She was appointed by President Clinton and confirmed by the Senate as a member of the National Science Board, and named to the President's Committee of Advisors on Science and Technology.

CREATING A GLOBAL ENGINEERING COMMUNITY THROUGH PARTNERSHIPS

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