

BIOGRAPHIES

Catherine P. Ailes

Date of Birth: March 7, 1947
Address: SRI International, 1611 N. Kent Street, Arlington, Virginia 22209, USA
Education: B.A. Philosophy, Wilson College (1969)
Ph. D. Candidate, Philosophy, Georgetown University (1970–1977)
Present Position: Senior Science Policy Analyst, Strategic Studies Center SRI International
Program Manager for Science Policy and Strategic Economic Research, Strategic Studies Center, SRI International

Current Memberships: American Association for the Advancement of Science

American Association for the Advancement of Slavic Studies

Research Interest: Science Policy
Scientific and Technical Personnel
Science Resources
International Scientific Communication and Exchange

Bodo Bartocha

Date of Birth: December 26, 1928
Address: Division of International Programs, National Science Foundation, 1800 G Street, N.W., Washington, D.C. 20550, U.S.A
Education: B.S., M.S., Chemistry and Physics, Philipps University; Marburg/Lahn, Germany (1951, 1953)
Ph.D., Inorganic Chemistry, Philipps University; Marburg/Lahn, Germany (1956)
Milton Fellow, Harvard University; Cambridge, Massachusetts (1956–

1958)

Present Position: Director, Division of International Programs, National Science Foundation.

Current Memberships:
Military Operations Research Symposia
Fellow, American Association for the Advancement of Science

Research Interest:
International R&D ventures
Science Policy and Planning
Resources Allocation
Systems Analysis

Samuel Kataoka Coleman

Date of Birth: May 12, 1946
Address: North Carolina Japan Center, Box 8112, North Carolina State University, Raleigh, North Carolina 27695-8112, USA
Education: B.A. Anthropology, University of California at Santa Barbara (1968)
Ph. D. Anthropology, Columbia University (1978)
Certificate of the East Asian Institute, Columbia University (1978)

Present Position: Associate Director for Research and Program Development North Carolina Japan Center North Carolina State University

Current Membership: Association for Asian Studies

Research Interest: Cross-cultural Cooperation in Scientific Projects
Technology and Social Change

Carole Ganz Brown

Date of Birth: February 12, 1941

Address: Division of International Programs, National Science Foundation, 1800 G Street, N.W., Washington, D.C. 20550, U.S.A.

Education: B.A. Chemistry, Vassar College
M.S. Communication Research, Rensselaer Polytechnic Institute
Ph.D. Philosophy of Science/Economics, Stanford University (1969)

Present Position: Senior Program Manager, Division of International Programs, NSF

Current Memberships: American Association for the Advancement of Science (AAAS)

Research Interest: Research Evaluation Technology Policy
International Technology Transfer
Industrial and Intellectual Property Rights
Information and Telecommunication Policy

Aaron J. Gellman

Date of Birth:

Address: Gellman Research Associates, Inc., 100 West Avenue, Jenkintown, Pennsylvania 19046, USA

Education: B.A. Economics, University of Virginia (1950)
M.A. Transportation, University of Chicago, School of Business (1951)
Ph.D. Economics, Massachusetts Institute of Technology (1962)

Present Position: President, Gellman Research Associates, Inc.
Adjunct Professor of Transportation and Regional Science, University of Pennsylvania

Current Memberships: American Association for the Advancement of Science, Council Member
American Economic Association
Regional Science Association
Transportation Research Forum
American Railway Engineering Association
Pennsylvania Conference of Economists
U.S. Naval Institutes

Robert B. Hardy

Date of Birth: October 19, 1945

Address: Division of International Programs, National Science Foundation, Washington, D.C. 20550

Education: B.A. Political Science, Gettysburg College (1967)
J.D. Catholic University School of Law (1975)

Present Position: Staff Associate and Policy Officer

Directorate for Scientific, Technological, and International Affairs
National Science Foundation

Current Memberships: Federal Bar Association

American Bar Association
Member of the Bars of Maryland and the District of Columbia
Founding Board Member, National Assistance Management Association

Research Interest: Science Policy
Legal Issues in Management of Federal Assistance

Hiroshi Inose

Date of Birth: January 5, 1927

Address: 5-39-9, Jingu-Mae, Shibuya-ku, Tokyo 150, Japan

Education: Bachelor of Engineering (Electrical Engineering), University of Tokyo (1948)
Doctor of Engineering (Electrical Engineering), University of Tokyo (1955)

Present Position: Professor, Faculty of Engineering, University of Tokyo
Director, Bibliographic Information Center, University of Tokyo
Special Advisor to the Minister of Science and Technology Agency
Special Assistant to the Minister for Foreign Affairs
Chairman, Committee for Scientific and Technological Policy, OECD

Current Memberships: Foreign Associate, National Academy of Sciences, U.S.A.
Foreign Member, American Philosophical Society
Vice President, the Institute of Electronics and Communication

Engineers of Japan (IECEJ)
Vice President, the Japan Society of
Information and Communication
Research (JSICR)

Research Interest:

Digital Switching, Computer
Communication, Science and
Technology Policy

Fumio Kodama

Date of Birth: July 11, 1941

Address: Kamiochiai 342-4-1-802, Yono,
Saitama 338, Japan

Education: Bachelor of Engineering,
University of Tokyo (1964)
Master of Engineering, University of
Tokyo (1967)
Doctor of Engineering, University of
Tokyo (1974)

Present Position: Professor, Graduate
School for Policy Science, Saitama
University

Current Memberships: Japan Society of
Systems Engineering (Editorial
Board)
Society of Instrument and Control
Engineers
Operations Research Society of
Japan

Research Interest: Industrial and Innova-
tion Policy
Methodologies for Policy Sciences
and Social Engineering
Research on Research

W. Henry Lambright

Date of Birth: July 9, 1939

Address: 555 Cumberland Avenue,
Syracuse, N.Y. 13210, USA

Education: B.A. The Johns Hopkins Uni-
versity (1961)
M.A. Columbia University (1962)
Ph.D. Columbia University (1966)

Present Position: Professor, Political
Science and Public Administration,
The Maxwell School, Syracuse Uni-
versity
Director, Science and Technology
Policy Center, Syracuse Research
Corporation

Current Memberships: American Associa-
tion for the Advancement of Science

American Political Science Associa-
tion

American Society for Public Admini-
stration

American Meteorological Society

Research Interest: Science, Technology
and Public Policy

Public Administration

The American Presidency

Sogo Okamura

Date of Birth: March 18, 1918

Address: 4-12-15, Numabukuro, Nakano-
ku, Tokyo, Japan

Education: Bachelor of Engineering (Elec-
trical Engineering), University of
Tokyo (1940)
Doctor of Engineering, University of
Tokyo (1951)

Present Position: Director General, Japan
Society for the Promotion of Science
(JSPS)

Professor and Member of the Board
of Directors, Tokyo Denki University
Professor Emeritus, University of
Tokyo

Director, Japanese National Railways
Current Memberships: Institute of Electro-
nics and Communication Engineers
of Japan (Honorary Member)
Institute of Electrical Engineers of
Japan (President)
Institute of Electrical and Electronics
Engineers (Fellow)
International Union of Radio Science
(Vice President)

Research Interest: Detectors for Milli-
meter Wave and Infrared
Microwave Solid State Devices
Measurement Techniques in the Milli-
meter Wave Frequencies
Science Policy

Nagahide Onozawa

Date of Birth: December 2, 1931

Address: 1-4-12, Azabudai, Minato-ku,
Tokyo, Japan

Education: B.A. International Relations,
Tokyo Institute of Foreign Studies
B. Sc. Physics, Tokyo Metropolitan
University (1973)

Present Position: Head, Research Coopera-

tion Division, Japan Society for the Promotion of Science (JSPS)

Current Memberships: The History of Science Society of Japan
Japan Society of Library Science
Research Interest: History of Cultural Interchange
Function of Information in Society

Charles T. Owens

Date of Birth: June 12, 1938
Address: NSF Tokyo Regional Office,
American Embassy, 10-5, Akasaka
1-chome, Minato-ku, Tokyo
Education: B.A. International Relations,
University of California, Berkeley
(1961)
Present Position: Head, National Science
Foundation, Tokyo Regional Office
Current Memberships: AAAS
Research Interest: Japanese Science
Policy
Policy for Basic and Applied
Research

Martin D. Robbins

Date of Birth: January 14, 1933
Address: Colorado School of Mines,
Golden, Colorado 80401, USA
Education: B. Sc. Chemistry, Tufts
University (1954)
M. Sc. Ceramics, Massachusetts
Institute of Technology (1956)
Present Position: Vice President,
Colorado School of Mines
Executive Director, Colorado
School of Mines Foundation
Current memberships: American Institute
of Chemical Engineers
Western Behavioral Sciences
Institute – Fellow
American Institute of Architects
Foundation Member, Board of
Directors
Research Interest: Science and Technology
Policy
Administration of Research
Financing Higher Education
Technology Transfer and Innovation

Hirotooshi Samejima

Date of Birth: December 17, 1925

Address: 5-12-3-303, Yoyogi, Shibuya-ku,
Tokyo, Japan 151

Education: Bachelor of Agricultural Sci-
ences (Agricultural Chemistry),
Kyoto University (1950)
M.A. Zoology, University of
Texas, U.S.A. (1957)
Doctor of Agricultural Sciences,
Kyoto University (1962)

Present Position: Managing Director &
General Manager of Technical Divi-
sion
Kyowa Hakkō Kogyō Co., Ltd.
(Japan)

Current Memberships: Japan Association of
Industrial Fermentation, Chairman of
Bioindustry Development Center
Association of Agricultural Chemis-
try in Japan, Auditor
Japanese Society of Fermentation
Technology, A Board Director Mem-
ber

Research Interest: Biotechnology General
Industrial Fermentation
Pharmaceuticals Development
Utilization of Biomass

Theodore W. Schlie

Date of Birth: March 21, 1940
Address: 4166 Elizabeth Lane, Annandale,
Virginia, USA
Education: B.A. Mathematics and Sociolo-
gy, Valparaiso University (1963)
M.S. Industrial Engineering and
Management Sciences, North-
western University (1969)
Ph.D. Industrial Engineering and
Management Sciences, North-
western University (1973)
Present Position: Director, Industrial
Analysis Division
Trade Information and Analysis
U.S. Department of Commerce
Current Memberships: American Associa-
tion for the Advancement of
Science
The Institute of Management
Sciences
Association for Science, Technology
and Innovation
etc.

Research Interest: The International Com-

petitiveness of U.S. Industry Sectors and The Role of Technology in that Determination;
 National Technology Policy—National Industrial Policy or Strategy Formulation;
 International Economic Interdependence and Multinational Operations for Technology Development or Technology Transfer;
 Foreign Government Targeting of R&D;
 Organizational Risk-Taking for New Product/Process/Service Development and/or Implementation;
 Corporate Strategic Planning and The Role of R&D/Technology in the Process;
 Government-Business Policy Relationships in the United States; and
 The Impact of the Computer on the Concepts and Practices of Manufacturing Operations Management.

Kotaro Shimo

Date of Birth: March 10, 1936
 Address: 2-3-1, Kugenuma-Ishigami, Fujisawa, Japan
 Education: B.Sc., University of Tokyo (1959)
 M. Sc., University of Tokyo (1961)
 Doctor of Engineering, University of Tokyo (1983)
 British Council Scholarship, The University of Birmingham (1962–1963)
 Present Position: Director, Cast and Wrought Products Division, Ministry of International Trade & Industry
 Professional Background: The Ministry of International Trade & Industry, Heavy Industry Bureau, 1961–1967
 Japanese Trade Centre, Paris (1967–1971)
 Machinery and Information Industry Bureau, MITI (1972–1975)
 Scientific Counsellor, Japanese Delegation to OECD, Paris (1975–1979)
 Senior Officer, Large Scale Project, Agency of Industrial Science and Technology (1979)
 Professor, University of Tsukuba (1979–1982)

Current Memberships: Japan Society of Precision Engineering
 Japan Association for Planning Administration
 Research Fellow, Foundation for Advancement of International Science
 Research Interest: Reliability and Maintenance Engineering
 Energy Research and Development
 International Development
 Science and Technology Policy

Hiroshi Ueki

Date of Birth: November 26, 1931
 Address: Ministry of Education, Science and Culture (MOE)
 3-2-2, Kasumigaseki, Chiyoda-ku, Tokyo 100, JAPAN
 Education: Bachelor of Laws, University of Tokyo (1953)
 Present Position: Deputy Director-General, Minister's Secretariat, Ministry of Education, Science and Culture
 Career: Japanese Embassy in Paris (1966)
 Director, Student Exchange Division, Ministry of Education, Science and Culture (MOE) (1970)
 Director, Research Institutes Division (MOE) (1974)
 Director, Science Division (MOE) (1977)
 Director, Budgeting and Accounting Division (MOE) (1979)
 Deputy Director-General, Science and International Affairs Bureau (MOE) (1982)
 Present Position (1984)
 Research Interest: Science Policy

Michiyuki Uenohara

Date of Birth: September 5, 1925
 Address: 4-22-14, Minamiyukigaya, Ota-ku, Tokyo, Japan
 Education: Bachelor of Engineering (Electrical Engineering), Nihon University (1949)
 M.S. and Ph.D. (Electrical Engineering), The Ohio State University (1953, 56)
 Doctor of Engineering, Tohoku University (1958)

Present Position: Executive Vice President
and Director, NEC Corporation

Current Memberships: Institute of Elec-
trical and Electronics Engineers
(Fellow)

Institute of Electronics and Com-
munication Engineers of Japan, Vice
President

Japanese Institute of Metal Councilor
Japan Institute of Applied Physics,
Councilor

Research Interest: Microwave Solid State
Devices

Microelectronics

Optoelectronics

R&D Management

Albert R.C. Westwood

Date of Birth: June 9, 1932

Address: Martin Marietta Corporation,
1450 S. Rolling Road, Baltimore,
Maryland 21227

Education: B.Sc. Physical and Theoretical
Metallurgy, University of Birming-
ham, U.K. (1953)

Ph.D. Physical Metallurgy, University
of Birmingham, U.K. (1956)

Present Position: Corporate Director, Re-
search and Development, Martin
Marietta Corporation

Member of Board of Directors,
Martin Marietta Energy Systems

Member of Board of Directors, In-
dustrial Research Institute

Member of National Materials Advi-
sory Board

Member of Board on Science & Tech-
nology for International Development

Member of Board of the Metal-
lurgical Society of AIME

Member of Advisory Councils to the
School of Arts and Sciences at The

Johns Hopkins University and School
of Engineering at The University
of Maryland.

Current Memberships: The Johns Hopkins
University (Fellow)

Institution of Metallurgists (U.K.)
(Fellow)

Institute of Physics (U.K.) (Fellow)

American Society for Metals (Fellow)

Council of Engineering Institutions
(U.K.) (Chartered Engineer)

National Academy of Engineering
(Member)

Research Interest: R&D Management

Materials Science

Mechanical Behavior

Hiroyuki Yoshikawa

Date of Birth: August 5, 1933

Address: 5-3-10-106, Kachidoki, Chuo-ku,
Tokyo, Japan

Education: Bachelor of Engineering (Pre-
cision Engineering), University of
Tokyo (1956)

Doctor of Engineering, University of
Tokyo (1963)

Present Position: Professor, Department of
Precision Machinery Engineering,
Faculty of Engineering (University of
Tokyo)

Current Memberships: Japan Society of Pre-
cision Engineering

Japan Society of Mechanical Engi-
neering

IFIP W.G. 5.2

CIRP

Research Interest: General Design Theory
Reliability and Maintenance Theory

Intelligent CAD

Intelligent Robotics

Technology Policy