

Curriculum Vitae

Personal Information

Name: Akio Nakamura
Date of Birth: September 16, 1948
Academic Position: Senior Scientist
Institution: Advanced Science Research Center,
Japan Atomic Energy Agency
Tokai, Naka, Ibaraki 319-1195 Japan



Academic Qualifications

1978: Doctor of Engineering degree from University of Tokyo, Faculty of Engineering,
Department of Applied Chemistry

Academic Employment

1978-1981: Faculty Research Associate, Center for Solid State Science, Arizona State University
(Tempe, Arizona, U. S. A)
1981-1983: Humboldt Research Fellow, Institute for Physical and Electrochemistry, Hannover
University (Hannover, Germany)
1984-2006: Japan Atomic Energy Research Institute (JAERI at that time)
2006-2012: Japan Atomic Energy Agency (JAEA) (which is JAERI reorganized after combination
with Japan Nuclear Fuel Development Cooperation (JNC))

Statement of Research

His main research expertise is solid state electrochemistry (defect chemistry, diffusion and thermodynamics) of oxide materials such as actinide nuclear fuels, perovskite oxides, ferrites and olivine, etc. He has been also actively involved in related wide research area of condensed matter physical chemistry including synthesis and basic- (thermodynamic, electronic, magnetic and spectroscopic, etc.) property study of actinide (5f-electron) complexes and heavy-Fermion inter-metallic compounds. He is the author and coauthor of over 200 scientific papers. He was a guest editor of HTMC-XI (2003, Tokyo) and an International Advisory Member of Plutonium-Future 2006 (Asilomar, CA, USA) and 2008 (Dijon, France, 2008). He is also a member of two Specialist Committees of Atomic Energy Society of Japan; (1) Novel Nuclear Fuel Technology and (2) Atomic Energy and Advanced Technology.