

TOSHIKI TAJIMA

PERSONAL: Telephone: 49-89-289-14085 (home: 49-89-320-6835)
Birthdate: January 18, 1948
Married: Two Children

OCCUPATION: Guest Professor 2008-
Ludwig Maximilian University and Max Planck Institute for Quantum Optics

FIELDS OF EXPERTISE: High Field Science, Advanced Accelerator Physics, Plasma Physics

EDUCATION: University of Tokyo, Tokyo, Japan
B.S. in Physics 1971
M.S. in Physics 1973
University of California, Irvine
Ph.D. in Physics 1975

CAREER: UNIVERSITY OF CALIFORNIA, LOS ANGELES
Assistant and Associate Research Physicist, 1976-1980

THE UNIVERSITY OF TEXAS AT AUSTIN: 1980-2001
Assistant, Associate, and Full Professor of Physics, 1980-1999
The Jane and Roland Blumberg Professor in Physics, 2000-2001
(also, Professor of Computational and Applied Math)

Lawrence Livermore National Laboratory, University of California: 1998-2001
Special Assistant to the Associate Director

Stanford Linear Accelerator Center: 2000-2002
Special Project

Japan Atomic Energy Research Institute (later, Japan Atomic Energy Agency):
2002-2008
Director General : Kansai Photon Science Institute, and
Deputy Director General: Quantum Beam Science Directorate
also Director : Photo Medical Research Center (2007-2008)

KEK High Energy Accelerator Laboratory, Tsukuba: 2008-
Specially Appointed Professorship

Japan Atomic Energy Agency: (2008)
Scientist Specially Appointed by President

MEMBER: SSC Laboratory, 1989-1993

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Lawrence Berkeley Laboratory, University of California, Berkeley,
(Affiliated) 1995-2000
Department of Applied Science, University of California at Davis, 1999-2000

HONORS:

(main)

Fellow, American Physical Society (for laser acceleration)
Farrington Daniels Award (2005) (for laser driven particle therapy)
Suwa Prize(2006) (laser acceleration)
Nishina Memorial Prize(2006) (laser acceleration)

(others)

Fellow, Japan Society for the Promotion of Science
Member, National Research Council (Commission H) of the National Academy
of Science (magnetospheric simulation)
Robert W. Hamilton Award (1997, University Cooperative Society)
(plasma astrophysics)
JAERI Excellence Prize (1999) (high field science simulation)
Fellow, JAEA (2008) (photo-medical research)
JAEA President's Award (2008) (relativistic flying mirror)

MEMBERSHIPS:

Physical Society of Japan
Beta Alpha Phi
American Physical Society
American Geophysical Union
American Astronomical Society
Laser Society of Japan

COMMITTEE SERVICE (some of):

Chairman, International Conference on Laser 1983 (San Francisco)
Management Committee, Joint Institute for Fusion Theory (1984-1998)
International Conference on Supercomputing co-organizer (1985)
Steering Committee, Texas HEP (1989-1993)
Fellowship Committee, American Physical Society (1999,2001)
Science and Technology Council, Laser Directorate, Lawrence Livermore
National Laboratory (1999)
Executive Committee Member, American Physical Society, Plasma
Astrophysics (since 1999-2001)
Laser Society of Japan, Steering Member and Director of 2005 Organizers
Laser Physics 2005, Co-Chair
Trilateral Committee for Intense Lasers (Japan-China-Korea), Co-Chair (2005-
2008)
Chair, Beam Physics Division, Physical Society of Japan (2004-2008)
Chair, Beam Physics Council (2004-2008)
International Committee for Ultra Intense Lasers, Co-Chair (2006-2008); Chair
(2008-)
Deputy Chair, Accelerator Society of Japan (2008-)

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Max Born Institut, Scientific Advisory Board (2006-)
Extreme Light Infrastructure, Scientific Advisory Committee Chairman (2008-)
International Linear Collider Global Design Effort, Accelerator Advisory Panel
(2009-)

GRADUATE
STUDENTS

THE UNIVERSITY OF TEXAS AT AUSTIN
26 Ph.D. students and 8 MSc students supervised.

TEACHING:

The University of Texas at Austin, Department of Physics,
Graduate and Undergraduate Courses
University of California at Davis, Department of Applied Science,
Graduate Courses