

**Tomio Yamakoshi Petrosky
(VITA)**

June 7, 2021

Sex & Birth: Male, March 30, 1947, Tokyo, Japan
Nationality: U.S.A.
Married: Misako Ochi, May 4, 1975
Present Address: 8503 Bisbee Ct. Austin, TX 78745
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Education Finished:

Department of Physics, Tokyo University of Science
March 1970; Undergraduate Course (Bachelor degree)
March 1972; Graduate Course (Master degree)
July 23, 1979; Graduate Course (Ph. D.)

Employment:

January 1980 - August 1980
Postdoctoral Fellow
Ilya Prigogine Center for Studies in Statistical Mechanics and Complex
Systems, The University of Texas at Austin
September 1980 - August 1988
Research Engineering-Science Associate
Same as above
September 1988 - August 1992
Research Scientist,
Same as above
September 1992 - Present
Senior Research Scientist
Center for Complex Quantum Systems
(Formerly known as Ilya Prigogine Center for Studies in Statistical
Mechanics and Complex Systems), The University of Texas at Austin

Specialty:

Foundation of Classical and Quantum Mechanics, Non-equilibrium Statistical
Mechanics, Nonlinear Dynamics, Matter-field interaction

Significant Professional Activities:

In the past he was appointed as Scientific Adviser of The International Solvay
Institutes of Physics and Chemistry, Brussels, Belgium, and
Special Researcher of the Theoretical Physics Department, Vrije
Universiteit, Brussels, Belgium

May 20, 1994 – June 19, 1994

Visiting Researcher, Department of Applied Physics, Waseda University, Japan

October 20, 2005 – January 19, 2006

Visiting Professor, National Institute for Fusion Science, Japan

September 12, 2006 – November 30, 2006

Visiting Researcher, Institute of Industrial Science, University of Tokyo, Japan

December 1, 2007 - December 31, 2007

Guest Professor, Department of Physics, Osaka Prefecture University, Japan

January 1, 2008 - January 31, 2008

Visiting Researcher, Institute of Molecular Science in National Institute of Natural Sciences, Japan

September 1, 2008 - September 30, 2008

Guest Professor, Department of Physics, Osaka Prefecture University, Japan

October 1, 2008 - October 31, 2008

Visiting Researcher, Yukawa Institute for Theoretical Physics, Kyoto University, Japan

July 1, 2009 - September 30, 2009

Visiting Professor, Yukawa Institute for Theoretical Physics, Kyoto University, Japan

January 18, 2010 - March 30, 2010

Specially-appointed Professor, Institute of Industrial Science, The University of Tokyo, Japan

August 1, 2011 – September 30, 2011

Distinguished Guest Professor, Department of Physics, Osaka Prefecture University, Japan

July 1, 2012 - July 31, 2012

Guest Professor, Department of Physics, Osaka Prefecture University, Japan

April 1, 2013 -

Research Advisor, Institute of Industrial Science, The University of Tokyo, Japan

August 1, 2013 - August 31, 2013

Guest Professor, Department of Physics, Osaka Prefecture University, Japan

July 1, 2014 – July 31, 2014

Guest Professor, Department of Physics, Osaka Prefecture University, Japan

October 16, 2015 – November 6, 2015
Guest Professor, Department of Physics, Osaka Prefecture
University, Japan

January 1, 2017 – January 31, 2017
Guest Professor, Department of Physics, Osaka Prefecture
University, Japan

October 1, 2017 – October 31, 2017
Guest Professor, Department of Physics, Osaka Prefecture
University, Japan

October 1, 2018 – October 31, 2018
Guest Professor, Department of Physics, Osaka Prefecture
University, Japan

November 1, 2019 – November 30, 2019
Guest Professor, Department of Physics, Osaka Prefecture
University, Japan

January, 2012
A series of online lectures as Guest Professor, Department of Physics, Osaka
Prefecture University, Japan

Organizer of the international molecular type workshop on “Complex Eigenvalue
Problem of Liouville Operator and application to biological systems,” Yukawa Institute
for Theoretical Physics, Kyoto, JAPAN,
October 1 – October 31, 2008

Organizer of the international workshop and symposium on “Frontiers in
Nonequilibrium Physics,” Yukawa Institute for Theoretical Physics, Kyoto, JAPAN,
July 21 – August 21, 2009

Organizer of the 11th international Tamura Memorial Symposium on “Frontiers in
Nanoscience,” Osaka Prefecture University, Sakai, JAPAN,
December 3–5, 2011

Organizer of the 11th international workshop on “Resonance and Non-Hermitian
Quantum Mechanics 2016,” Osaka University, Osaka, JAPAN,
August 3–5, 2016

Guest editor for the special issue of the Interdisciplinary Journal of Nonlinear Science “Chaos”
for Celebrating the 100th Anniversary of Ilya Prigogine's Birth (Focus Issue: Dissipative
Structures and Irreversibility in Nature) that has been published at October 2017.

Grants Received:

DOE (Department of Energy) Grant DE-FG05-88ER13897
"The Behavior of Matter under Non-equilibrium Conditions:
Fundamental Aspects and Applications"
July 1991 - July 1994
July 1994 - July 1997
July 1997 - August 2001
as a principal investigator.

DOE (Department of Energy) Grant DE-FG03-94ER14465
"Extended Formulation of Dynamics and Computational Tools for
Complex Systems"
August 2001 - August 2006
as a principal investigator

Awards Received:

"Le Prix Georges Vanderlinden" de la 16e péropde quadriennale,
1987-1991, from Académie Royale, des Sciences, des Lettres & des
Beaux-Arts de Belgique.,1991

"Métropole Award," a special award of 100 years anniversary of Métropole
at the International Solvay Conference, presented at the XXth International
Solvay Conference on Chemistry, Brussels, Belgium, 1995

"Peter the Great" Gold Medal presented by the Russian Academy of the Natural
Sciences, 2000

Memberships:

Member of American Physic Society,
Member of the European Academy of Arts, Sciences and Humanities
Paris, France

Hobbies:

Kayaking, Hiking, Japanese folklore, Japanese classic literature

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