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Academic Preparation:

Kiev National University, M.Sc. (Appl.Math), 1980
Kiev National University, Ph.D. (Fluid Mech), 1986

Appointments:

Associate Professor (Research), Dept. Civil Engrg., NUS, 2009-Present
Principal Research Fellow, TMSI, NUS, 2009-Present
Head of Physical Oceanography Research Laboratory, TMSI, NUS, 2008-Present
Senior Research Fellow, TMSI, NUS, 1999-2008
Research Fellow, TMSI, NUS, 1996-1999
Research Fellow, Dept. Civil & Env. Engrg., NTU, 1994-1996
Head of Department, IPMMS Cybernetics Center Ukrainian Academy of Sciences, 1990-
1993
Senior Research Fellow, IPMMS Cybernetics Center Ukrainian Academy of Sciences, 1987-
1990
Engineer, then Researcher, Institute of Hydromechanics Ukrainian Academy of Sciences,
1980-1987

Visiting Appointments:

Battelle Pacific Northwest Laboratories, Richland, USA, 1994
Forschungszentrum Karlsruhe, Germany, 1993

Honors:

The Singapore International Foundation Award, 2001
Permanent Senior Research Fellow Ukrainian Academy of Sciences, 1995

Four Recent Publications:

Dao M.H., Tkalich P., Chan E.S. “Tsunami forecasting using proper orthogonal decomposition method”, *Journal of Geophysical Research – Oceans*. 2008, V.113, C06019, doi:10.1029/2007JC004583.

Tkalich P. “Hopping numerical approximations of the hyperbolic equation”. *Int. J. for Numerical Methods in Fluids*, 2007, V.55, N.12, pp. 1171-1188.

Tkalich P. “A CFD solution of oil spill problems”. *Environmental Modelling & Software*, 2006, V. 21/2, pp 271-282.

Chan E.S., Tkalich P., Gin K., Obbard J. “The physical oceanography of Singapore coastal waters and its implications for oil spills”. (editor E. Wolanski) *The environment in Asia Pacific Harbours*, Springer, 2006, 497 p