

DZUNG HOANG

Center for Innovative Materials and Architectures, Vietnam National University, Ho Chi Minh City
Address: Quarter 6, Linh Trung Ward, Thu Duc District, Ho Chi Minh City, Vietnam
Phone: (+84)903 757 005, Email: hdung@vnuhcm.edu.vn

EDUCATION:

Ph. D., Theoretical Physics: May 1990
Lomonosov Moscow State University, Moscow, Russia
Advisers: Professor Y. Ya. Korenblit and Professor A. V. Vedyayev

Bachelor of Arts, Theoretical Physics: June 1976
Kishinev State University, Kishinev, USSR
Adviser: Professor G. Shmelev

EMPLOYMENT:

Researcher and Advisor to INOMAR's Director Center for Innovative Materials and Architectures (INOMAR, formerly MANAR), Vietnam National University, Ho Chi Minh City, Vietnam Vietnam National University, Ho Chi Minh City, Vietnam	2017+
Executive Director of INOMAR Center for Innovative Materials and Architectures (INOMAR), Vietnam National University, Ho Chi Minh City, Vietnam	2016
Co-Executive Director of MANAR Center for Molecular and NanoArchitecture (MANAR) Vietnam National University, Ho Chi Minh City, Vietnam	2014 - 2015
Co-founder of MANAR Center for Molecular and NanoArchitecture (MANAR) Vietnam National University, Ho Chi Minh City, Vietnam	2008 - 2011
Director of Science and Technology Department Vietnam National University Ho Chi Minh City, Vietnam	2004 - 2013
Director of the Computational Physics Laboratory University of Science, Vietnam National University, Ho Chi Minh City, Vietnam	2004 - 2015
Associate Professor of Physics Physics Department, University of Science, Vietnam National, University Ho Chi Minh City, Vietnam	2002
Senior Lecturer in Physics Physics Department, University of Science, Vietnam National University Ho Chi Minh City, Vietnam	1991 – 2001
Lecturer in Physics Physics Department, University of Ho Chi Minh City (former name up to 1996), and the University of Science (since 1996), Vietnam National University, Ho Chi Minh City, Vietnam	1977 – 1990

SELECTED RESEARCH PUBLICATIONS IN PEER REVIEWED JOURNALS:

1. Massimo Sandal, Tran Phuoc Duy, Matteo Cona, **Hoang Zung**, Paolo Carloni, Francesco Musiani and Alejandro Giorgetti. GOMoDo: a GPCRs online modeling and docking webserver, *PLOS ONE*, **2013**, *8*, e74092.
2. Leguèbe, Michael, Chuong Nguyen, Luciana Capece, **Hoang Zung**, Alejandro Giorgetti, and Paolo Carloni, Hybrid Molecular Mechanics/Coarse-Grained Simulations for Structural Prediction of G-Protein Coupled Receptor/Ligand Complexes. *PLOS ONE*, **2012**, volume 7, Issue 10: e47332.
3. Hoang Bao Nam, Maksim Kouza, **Hoang Zung**, and Mai Suan Li, Relationship between population of the fibril-prone conformation in the monomeric state and oligomer formation times of peptides: Insights from all-atom simulations, *J. Chem. Phys.*, **2010**, *132*, 165104.
4. Maksim Kouza, Chin-Kun Hu, **Hoang Zung**, and Mai Suan Li, Protein mechanical unfolding: Importance of non-native interaction, *J. Chem. Phys.*, **2009**, *131*, 1.
5. Vo Van Hoang, **Hoang Zung** and Nguyen Trung Hai, Diffusion and dynamical heterogeneity in simulated liquid SiO₂ under high pressure, *J. Phys.: Condens. Matter*, **2007**, *19*, 116104.
6. Vo Van Hoang, Nguyen Trung Hai, and **Hoang Zung**, Tetrahedral \leftrightarrow octahedral network structure transition in simulated vitreous SiO₂, *Phys. Lett. A*, **2006**, *356*, 246.
7. **Hoang Zung**, Ziep Quang Vinh, Mai Suan Li, Current-voltage characteristics of the three-dimensional anisotropic vortex glass model, *Physica C*, **2003**, *388*, 639.
8. Mai Suan Li, **Hoang Zung**, D. Dominguez, Non-linear AC Resistivity in s-wave and d-wave disordered superconductors, *Phys. Rev. Lett.*, **2002**, *88*, 257004.
9. Mai Suan Li, Le Quang Nguyen, A. V. Vedyayev, and **Hoang Zung**, Magnetic properties of frustrated Ising ferrimagnets, *Journal of Magnetism and Magnetic Materials*, **1991**, *96*, 175-188.
10. Ya. Korenblit, **Hoang Zung**, Ya. V. Feyodorov, Phase transitions in disordered Ising ferrites, *Fiz. Tverd. Tela*, **1990**, *32*, 1441-1447.

BOOKS:

1. Hoang Zung, Introduction to Quantum Mechanics, Vietnam Education Publisher (1999)
2. Hoang Zung, Problems in Quantum Mechanics, VNUHCM Publisher (2001)

PROFESSIONAL SOCIETIES:

- Vietnam Physics Society -
- Vietnam National Scientific Committee for Material Science -
- Scientific Board of the Vietnam National University Ho Chi Minh City
- Advanced Materials Scientific Council, Vietnam National University Ho Chi Minh City