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EDUCATION:

Bachelor of Science in Physics **September 2006**
University of Science, Vietnam National University, Ho Chi Minh City, Vietnam

Master of Science in Physics **September 2010**
University of Science, Vietnam National University, Ho Chi Minh City, Vietnam

PhD student in Materials Science **September 2014 - today**
University of Science, Vietnam National University, Ho Chi Minh City, Vietnam

FIELDS OF EXPERTISE:

Modeling and simulation of topological insulator materials

Metadynamics simulations of rare events and free-energy calculations

SOFTWARE EXPERTISE:

Fortran, C++, Matlab and Parallel programming with MPI

VASP, Quantum ESPRESSO, CPMD

RESEARCH PUBLICATIONS:

Vu Hoang Nam, Pham Van Viet, Le Van Hieu and Cao Minh Thi., First-principles calculations for hydrogenation of acceptor defects in Li-doped SnO₂, *Mater. Res. Express*, **3** 105901 (2016)

Nam H Vu, Hieu V Le, Thi M Cao, Viet V Pha, Hung M Le and Duc Nguyen-Manh., Anatase–rutile phase transformation of titanium dioxide bulk material: a DFT + U approach, *J. Phys.: Condens. Matter*, **24** 405501 (2012)