



Dr. Ngoc Linh Nguyen

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Dr. Ngoc Linh Nguyen is a lecturer and senior scientist at Phenikaa University in Hanoi, Vietnam, where he employs and develops first-principles computational methods to understand and predict the behavior of solids, liquids, and nanostructures. His research focuses on studying the interaction of matter and light or external electromagnetic fields, particularly in predicting optimal systems for harvesting sunlight and exploring quantum defects within large band gap semiconductors used for quantum information technologies. Dr. Nguyen is also one of the main developers of the Quantum ESPRESSO and WEST codes, which are large-scale codes for electronic structure problems. Before joining Phenikaa University, Dr. Nguyen completed his postdoctoral research at the Pritzker School of Molecular Engineering at the University of Chicago, USA, and at the Faculty of Materials Science and Engineering at EPFL, Switzerland. He holds a Ph.D. in Condensed Matter Physics from the International School for Advanced Studies in Trieste, Italy, and a Bachelor of Science degree from the University of Science, Vietnam National University Ho Chi Minh City.