

## BRIEF CV of Prof Nguyen Quang Liem

Nationality: Vietnamese

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### Positions

- 1981 Researcher, Inst of Physics, National Centre for Natural Science and Technology
- 1993 Researcher, Inst of Materials Science, VAST
- 2005 Vice-Director, Inst of Materials Science, VAST
- 2009 Director, Inst of Materials Science, VAST (till 10/2017), Senior researcher
- 2015 Second member (till 8/2020) of the VAST Standing Committee
- 2020- Senior researcher, Prof of Physics

### Working Experiences

Visiting scientist at CEA/ Grenoble, France (2004-2007, 1-3 months/year); Visiting scientist at Osaka University, Osaka, Japan (6/2003, 8/2004); Visiting scientist at LADIR/CNRS France (1999-2002, 3 months/year); Visiting scientist at KAIST, Daejeon, Korea (5-11/1998); PostDoc at KRISS, Korea (1996); Visiting scientist at Ecole Centrale Paris, France (3-6/1994); Visiting scientist at Florence University, Italy (1988-1989).

### Other activities

- + Vice-President of the Vietnam Physical Society VPS (2013-2023)
- + Editor-in-Chief of *Adv. Nat. Sci.: Nanosci. Nanotechnol* (IOP Publishing), Editorial board member of *Heliyon* (Elsevier), *Journal of Science: Advanced Materials and Devices* (Elsevier), and *AAPPS Bulletin* (Springer).
- + Focal point of Vietnam/Chairman of the Sub-Committee on Materials Science and Tech (SCMST), ASEAN Committee of Science and Technology (ASEAN COST), 2009-2017.
- + President of the VAST Council for Materials Science Direction
- + Chairman, National Program on Application and Development of Materials Technology


### Research interests

- Optoelectronic materials (in bulk and nanostructures based on II-VI, III-V, and I-III-VI semiconductors) and devices (luminescent materials for LEDs and for biolabeling/sensors, photocatalysts for photo-reactivity and for photoreactor, H<sub>2</sub> evolution and CO<sub>2</sub> reduction).
- Development of scientific instruments and spectroscopic measuring techniques, especially some related ones like Raman scattering and photoluminescence spectroscopy enhanced with surface plasmon resonance for fast/non-destructive and sensitive analysis/detection of residual pesticides, chemical radicals etc.
- Characterizations of the ancient art/cultural products (potteries, bricks, bronzes etc.)

### Publications

- (i) More than 150 journal papers and conference proceedings
- (ii) 1 Book, 2 book chapter, and 3 patents

Hanoi, March 2023



Nguyen Quang Liem