

1. Name: PHAM TIEN LAM

2. Education

Degree	Field	Institution	Year
Ph.D.	Computational Materials Science	Japan Advanced Institute of Science and Technology, Japan	2011
M.Sc.	Computational Materials Science	Hanoi University of Science, VNU-Hanoi	2006
B.Sc.	Computational materials Science	Hanoi National University of Education	2004

3. Academic experience

Institution	Rank, Title	Year/Period	FT/PT
Phenikaa University	Lecturer	2019 – Present	FT
Japan Advanced Institute of Science and Technology, Japan	Researcher	2011 – 2013	FT
Institute for Solid State Physics, The University of Tokyo	Researcher	2014 – 2016	FT
ESICM, National Institute for Materials Science, Japan	Researcher	2014-2019	PT
Japan Advanced Institute of Science and Technology, Japan	Researcher	2016-2019	FT
University of Transport and Communication	Teaching assistant and lecturer	2004-2008	FT

4. Non-academic experience

5. Certifications or professional registrations

6. Current membership in professional organizations

7. Honors and awards

8. Service activities

9. Briefly list the most important publications and presentations

1. Van-Quyen Nguyen, Viet-Cuong Nguyen, Tien-Cuong Nguyen, Nguyen-Xuan-Vu Nguyen, Tien-Lam Pham "Pairwise interactions for Potential energy surfaces and Atomic forces with Deep Neural network", (2022), J. Com. Mat, 209, 111379
2. Tien-Cuong Nguyen, Van-Quyen Nguyen, Van-Linh Ngo, Quang-Khoat Than, Tien-Lam Pham, "*Learning hidden chemistry with deep neural network*", (2021) J. Com. Mat. 200, 110784.
3. Tien-Lam Pham, Duong-Nguyen Nguyen, Minh-Quyet Ha, Hiori Kino, Takashi Miyatake, Hieu-Chi Dam, "*Explainable machine learning for materials discovery: predicting the*

- potentially formable Nd-Fe-B crystal structures and extracting the structure-stability relationship*”, (2020) IUCrJ
4. Pham Tien Lam, Nguyen Van Duy, Nguyen Tien Cuong, “*Machine Learning Representation for Atomic Forces and Energies*”, (2020) VNU Journal of Science: Mathematics-Physics
 5. Duong-Nguyen Nguyen, Tien-Lam Pham, Viet-Cuong Nguyen, Hiori Kino, Takashi Miyake, Hieu-Chi Dam “*Ensemble learning reveals dissimilarity between rare-earth transition binary alloys with respect to the Curie temperature*”, (2019) J. Phys. Mater. 2 034009
 6. Van-Doan Nguyen, Tien-Lam Pham, Hieu-Chi Dam, “*Application of materials informatics on crystalline materials for two-body terms approximation*”, 2019, Computational Materials Science 166, 155-161
 7. Tien-Lam Pham, Tran-Thai Dang, Van-Doan Nguyen, Hiori Kino, Takashi Miyake, Hieu-Chi Dam, “*Learning Materials Properties from Orbital Interactions*”, (2019) Journal of Physics: Conference Series 1290 (1), 012012.
 8. Duong-Nguyen Nguyen, Tien-Lam Pham, Viet-Cuong Nguyen, Anh-Tuan Nguyen, Hiori Kino, Takashi Miyake, Hieu-Chi Dam, “*A regression-based model evaluation of the Curie temperature of transition-metal rare-earth compounds*”, (2019) Journal of Physics: Conference Series 1290 (1), 012009
 9. Duong-Nguyen Nguyen, Tien-Lam Pham, Viet-Cuong Nguyen, Hiori Kino, Takashi Miyake, DAM Hieu-Chi, “*Ensemble learning reveals dissimilarity between rare-earth transition binary alloys with respect to the Curie temperature*”, (2019), J. Phys. Mater. in press. <https://doi.org/10.1088/2515-7639/ab1738>
 10. Duong-Nguyen Nguyen, Tien-Lam Pham, Viet-Cuong Nguyen, Tuan-Dung Ho, Truyen Tran, K Takahashi, Hieu-Chi Dam, “*Committee machine that votes for similarity between materials*”, (2018), IUCrJ 5 (6).

10. Briefly list the most recent professional development activities