Curriculum Vitae

Full name：**Minh-Tai Le, PhD**

Nationality：Vietnam

Date of birth：April 20, 1984

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Education:

National Kaohsiung University of Applied Sciences (PhD)	2012~2015
Ho Chi Minh City University of Technology and Education, Vietnam (MSc)	2008~2010
Ho Chi Minh City University of Technology and Education, Vietnam (BSc)	2003~2008
Vinh Cuu High School, Dong Nai province, Vietnam	1999~2002

Skills:

ABAQUS, ANSYS, Taguchi Method, Response Surface Methodology, Numerical Simulation, Multi-scale Simulation, Computational simulation, analysis, optimization of parts and structure of machine, Finite Element Analysis

Interests:

- Novel materials
- Composite
- Compliant mechanism
- Design and manufacture of machine parts and industrial equipment

Journal Publication:

1. Minh-Tai Le, Shyh-Chour Huang, "Hexagonal Representative Volume Element for Modeling and Analysis of Mechanical Properties of Carbon Nanotube Reinforced Composites", Applied Mechanics and Materials, Vols. 496-500 (2014) pp 251-254 (EI)
2. Minh-Tai Le, Shyh-Chour Huang, "Modeling and Estimating the Effective Elastic Properties of Carbon Nanotube Reinforced Composites by Finite Element Method", Journal of Engineering Technology and Education, Vol.11, No.2, pp.145-158, June, 2014
3. Minh-Tai Le, Shyh-Chour Huang, "Modeling and Analysis the Effect of Helical Carbon Nanotube Morphology on the Mechanical Properties of Nanocomposites Using Hexagonal Representative Volume Element", Applied Mechanics and Materials, Vol. 577 (2014) pp 3-6. (EI)
4. Minh-Tai Le, Shyh-Chour Huang, "Investigation of effective parameters on mechanical property in nanoindentation of polymer/carbon nanotubes nanocomposite using square representative volume element", Taylor & Francis Group, 2015 (EI)
5. Minh-Tai le, Shyh-Chour Huang, "Numerical Simulation of Nanoindentation of Single Wall Carbon Nanotube Reinforced Epoxy Composite", Applied Mechanics and Materials Vols. 764-765 (2015) pp 66-70 (EI)
6. Minh-Tai Le, Shyh-Chour Huang, "Mechanical Characterization of Carbon Nanotube Reinforced Polymer Nanocomposite by Nanoindentation Using FEM", Sensors and Materials, Vol. 27, No. 8, 9/2015, pp. 617-624, IF: 0.46, doi: 10.18494/SAM.2015.1098 (SCIE)
7. Minh-Tai Le, Shyh-Chour Huang, "Effect of nano-fillers on the strength reinforcement of novel hybrid polymer nanocomposites", Materials and Manufacturing Processes, 5/2015, IF: 1.63, doi: 10.1080/10426914.2015.1048365 (SCIE)
8. Minh-Tai Le, Shyh-Chour Huang, "Fabrication and characterization of SWCNT-reinforced Polyester nanocomposites using Tensile test and Nanoindentation techniques", Advanced Materials Letters, 2015, Vol. 6, No. 8, pp. 711-716, doi: 10.5185/amlett.2015.5821 (ISI)
9. Shyh-Chour Huang, Minh-Tai Le, "Optimal design of process parameters, experimental fabrication and characterisation of a novel hybrid polymer nanocomposite", International Journal of Materials and Product Technology (Special Issue on: "Synthesis, Characterisation and Applications of Nanocomposite Materials), 9/2015 (SCIE)
10. Minh-Tai Le, Shyh-Chour Huang, "Thermal and mechanical behavior of hybrid polymer

nanocomposite reinforced with Graphene nanoplatelets", Materials, 2015, Vol. 8, No. 8, pp. 5526-5536; doi:10.3390/ma8085262 (SCIE)

11. Shyh-Chour Huang, Minh-Tai Le, "Mechanical properties and microstructure of hybrid thermoset nanocomposite reinforced with multiwalled carbon nanotubes", Materials, 2015 (SCIE) reviewers assigned

Conference Proceedings:

1. Minh-Tai Le, Shyh-Chour Huang, "Study on mechanical properties of nanocomposite under nanoindentation using FEM", Proceeding of the 2nd International Conference on Green Technology and Sustainable Development 2014 (GTSD2014), pp 265-270
2. Minh-Tai Le, Shyh-Chour Huang, "Investigation of effective parameters on mechanical property in nanoindentation of polymer/carbon nanotubes nanocomposite using square representative volume element", Proceeding of the 2nd International Conference on Innovation, Communication and Engineering 2014 (ICICE2014)
3. Minh-Tai Le, Shyh-Chour Huang, "Numerical Simulation of Nanoindentation of Single Wall Carbon Nanotube Reinforced Epoxy Composite", Proceeding of the 3rd International Conference on Engineering and Technology Innovation 2014 (ICETI2014)
4. Shyh-Chour Huang, Minh-Tai Le, "Reinforcement of Strength of Epoxy/Polyester blend composite using Graphene Nanoplatelets", Proceeding of International Conference on Applied System Innovation 2015 (ICASI2015)
5. Minh-Tai Le, Shyh-Chour Huang, "Mechanical properties and microstructure of hybrid thermoset nanocomposite reinforced with multiwalled carbon nanotubes", International Multi-Conference on Engineering and Technology Innovation 2015 (IMETI2015)

STATEMENT OF PURPOSE

HEEAP aims to create a generation of global-minded engineers that exhibit self-reliance, creativity, an awareness of social and cultural capital, an appreciation for lifelong learning, conflict-resolution and team-building skills, and a sound understanding of ethics, economics and business strategies.

Ho Chi Minh City University of Technology and Education (HCMUTE) is currently listed as one of the top 10 universities in Vietnam and also a member in the top group of Southeast Asia universities (basing on standard evaluation index). HCMUTE will adopt a "hybrid model" to simultaneously promote, blend and harmonize the strength of our three educational trends: engineering, technology and pedagogy. By this way, HCMUTE will not only firmly stand at its current leading position in the area of professional higher education and technical applications, but also move forward to a higher level in doing research focusing on several key majors in the near future.

The enigma of life has always fascinated me. The unabated technological advances in the field of science have opened up growth opportunities in newer dimensions. To shine in the revolutionary workplace of tomorrow, one has to have perfect combination of theory and practical knowledge. To do this, I need to arm myself with requisite knowledge which a training program can furnish. I envision your university as the right stepping stone to pursue my dreams and achieve my career goals.

Even though my period at Ho Chi Minh City University of Technology and Education as well as National Kaohsiung University of Applied Sciences have provided me with a strong foundation in my field, a reputed training program is necessary to increase my knowledge and also to shape me into a good lecturer as well as researcher. I believe that I have strong dedication and motivation required for successful career in this field, which propels me to apply for 6 week training course of HEEAP.

I sincerely hope that by associating with the HEEAP program, I will be able to give back in return as much as I will gain in my own knowledge under the tutelage of experts from the Arizona State University. I hope that this statement of purpose will merit me a place in the HEEAP program and help me leverage the program to advance the goals and objectives of HEEAP in my instruction and across the curriculum at my university.