CURRICULUM VITAE

I. SKETCH CURRICULUM VITAE

Full name: Le Thanh Cuong Sex: Male

Date of birth: May 11th 1981 Place of birth: Da Nang Province

Native village: Ha Tinh Province Ethnic: Kinh

Highest degree: PHD Year, degree of country: 2019, Belgium

Position: The head of department of Strength of materials and Engineering structures.

Workplace: Faculty of Civil and Electric Engineering

Address: 106 Street 01, Nam Hung Vuong Ward, Binh Tan Dist.

Phone: +84982881199

Email: cuong.lt@ou.edu.vn

II. Educational qualification

1. Undergraduate:

Program: Full-time

Place: The University of Ha Hoi architecture

Major: Civil Engineering

Country: Vietnam Year of graduation: 2004

2. Post-graduate

- Master: Civil Engineering Year of graduation: 2011

Place: HCM University of Technology

- PhD: Civil Engineering Year of graduation: 2019

Place: Ghent University - Belgium

- Name of thesis: Isogeometric Analysis of Micro-Plate Composite Structures Using Higher Continuum Elastic Theory.

3. Language 1. EnglishTiếng Anh Level: Good

4. Certificates:

III. WORKING PROCESS

Time	Place	Position
2004 - 2005	**People's committee of Binh tan District,** Binh tan District, HCM city, Vietnam	**Personnel**
2005 - 2010	**Tan Thien Quy construction company,** Ho hoc lam street, Binh tan District, HCM city, Vietnam	**Director**
2010 - 2011	**Ministry of public security**,258, Nguyen trai street, 1st district , HCM city	**Officer**
2011 - Present	**Open University, Ho Chi Minh City.** 97, Vo van tan Street, 3st District , HCM City	**Lecturer of Faculty of Civil engineering**

IV. RESEARCH PROCESS

1. These research topics:

No.	Topic name	Start year/End year	Level	Position
1.	Size-dependent nonlinear analysis of functionally graded carbon nanotube-reinforced composite nanoplates	2017/2018	University	Head
2.				

2. These papers were published:

No.	Name	Year	Name of journal
01	Fluid–Structure Interaction Analysis of Revetment Structures	2017	Proceedings of the International Conference on Advances in Computational Mechanics, Lecture

			Notes in Mechanical Engineering, https://doi.org/10.1007/978-981-10-7149-2_50
02	Isogeometric analysis of functionally graded carbon nanotube reinforced composite nanoplates using modified couple stress theory	2018	Composite Structures (**Q1, IF = 5.138**)
03	Vibration analysis of FG-CNTRC nanoplates using MCST and IGA	2018	Present at International conference on Modeling in Mechanics & Materials, San Francisco
04	Isogeometric analysis of functionally graded carbon nanotube reinforced composite nanoplates using modified couple stress theory	2018	Composite Structures (**Q1, IF = 5.138**)
05	The size-dependent thermal bending and buckling analyses of composite laminate microplate based on new modified couple stress theory and isogeometric analysis	2019	Computer Methods in Applied Mechanics and Engineering (**Q1, Top journal, IF = 5.763**)
06	Isogeometric analysis for size-dependent nonlinear thermal stability of porous FG microplates	2019	Composite Structures (**Q1, IF = 5.138**)
07	Size-dependent nonlinear analysis and damping responses of FG-CNTRC micro-plates	2019	Computer Methods in Applied Mechanics and Engineering (**Q1, Top journal, IF = 5.763**)
08	A refined size-dependent couple stress theory for laminated composite micro-plates using isogeometric analysis	2019	Thin-Walled Structures (**Q1, IF = 4.033**)
09	Damage assessment in composite laminates using ANN-PSO-IGA and Cornwell indicator	2019	Composite Structures Composite Structures (**Q1, IF = 5.138**)
10	An advanced equal-order polygonal finite element for incompressible fluid flow computations	2019	European Journal of Mechanics / B Fluids (**Q2, IF = 2.131**)
11	A high-order mixed polygonal finite element for incompressible Stokes flow analysis	2019	Computer Methods in Applied Mechanics and Engineering (**Q1, Top journal, IF = 5.763**)
12	Size-dependent analysis for FG-CNTRC nanoplates based on	2018	1st International Conference on Numerical Modelling in

	refined plate theory and modified couple stress		Engineering, 28-29 August 2018, Ghent University, Belgium
13	Incompressible Fluid Computation Based on Polygonal Finite Element	2018	1st International Conference on Numerical Modelling in Engineering, 28-29 August 2018, Ghent University, Belgium
14	Free vibration of angle-ply laminated micro-plates using Isogeometric analysis and modified couple stress theory	2019	13th International Conference on Damage Assessment of Structures DAMAS,9-10 July 2019, Porto, Portugal
15	Damage detection in laminated composite plates based on Local Frequency Change Ratio Indicator		13th International Conference on Damage Assessment of Structures DAMAS,9-10 July 2019, Porto, Portugal
16	An equal-order mixed polygonal finite element for two-dimensional incompressible Stokes flows	2019	European Journal of Mechanics-B/Fluids; ISSN: 0997-7546 (**Q2, IF = 2.131**)
17	Stabilization for Equal-Order Polygonal Finite Element Method for High Fluid Velocity and Pressure Gradient	2020	Computers, Materials & Continua (**Q1, IF = 4.89**)
18	Improved ANN technique combined with Jaya algorithm for crack identification in plates using XIGA and experimental analysis	2020	Theoretical and Applied Fracture Mechanics (**Q1, IF = 3.021**)
19	Equal-Order Polygonal Analysis for Fluid Computation in Curved Domain	2020	International Journal of Computational Methods (**Q1, IF = 1.716**)
20	An efficient hybrid TLBO-PSO-ANN for fast damage identification in steel beam structures using IGA	2020	Smart Structures and Systems (**Q2, IF = 3.622**)
21	A geometrically nonlinear size-dependent hypothesis for porous functionally graded micro-plate	2020	Engineering With Computers (**Q1, IF = 3.938**)
22	A modified transmissibility indicator and Artificial Neural Network for damage	2020	Composite Structures (**Q1, IF = 5.138**)

	identification and quantification in laminated composite structures		
23	Inverse problem for dynamic structural health monitoring based on slime mould algorithm	2021	Engineering With Computer ((**Q1, IF = 3.938**)
24	The convergence rate of a polygonal finite element for Stokes flows on different mesh families	2021	Journal of Physic (Scopus)
25	An efficient approach for damage identification based on improved machine learning using PSO-SVM	2021	Engineering With Computer ((**Q1, IF = 3.938**)
26	A three-dimensional solution for free vibration and buckling of annular plate, conical, cylinder and cylindrical shell of FG porous-cellular materials using IGA	2021	Composite Structures (**Q1, IF = 5.138**)
27	Numerical Modeling of Prefabricated Vertical Drain with Vacuum Consolidation Technique	2021	Transportation Infrastructure Geotechnology (Scopus)
28	A Solution of Plane Stress Problem Subjected to Horizontal Shear Force by Using Polynomial Airy Stress Function	2021	Journal of materials and engineering structures (Esci)
29	Modified Method for prefabricated vertical drain consolidation analysis	2021	Journal of materials and engineering structures (Esci)
30	An Enhancing Particle Swarm Optimization Algorithm (EHVPSO) for damage identification in 3D transmission tower	2021	Engineering Structures (**Q1, IF=3.54**)

09, June, 2022

Signature

Le Thanh Cuong