Chuong Anthony Tran

Ph.D. student 1st year

Education

2020– **Ph.D. Program in Civil, Architectural, Environmental Engineering**, *Università degli Studi dell'Aquila*, L'Aquila (AQ), Italy.
Modelling of masonry structures and damage monitoring.

2016–2019 **Master in Computational Mechanical Engineering**, *SeaTech, Ecole d'Ingénieurs de l'Université de Toulon*, Toulon, France.
Structural & Fluid Mechanics, Numerical Analysis, Computational Programming (Finite Elements, Finite Volumes, Finite Differences).

2018–2019 **Master in Applied Mathematics**, *Université de Toulon*, Toulon, France.
PDEs & Functional Analysis, Numerical Analysis, Operators Theory.

2014–2016 **"Classes Préparatoires" (higher education program to enter top French engineering schools)**, *Lycée Condorcet (2014–2015) & Lycée Jacques Decour (2015–2016)*, Paris, France.
Physics (Mechanics, Electromagnetism, Thermodynamics, Optics, etc.), Mathematics (Linear Algebra, Differential Equations, Multivariable Calculus, Integration Theory, etc.), Chemistry (Thermochemistry, Organic Chemistry, Chemical Kinetics, etc.).

Experience

June 2019 **International Conference on Nonlinear Solid Mechanics 2019**, Rome (RM), Italy.
(attended as part of the organisational committee [3] and as listener)

March–August 2019 **Research Internship**, *M&MOCS International Research Centre*, L'Aquila (AQ), Italy.
Generalised Continua, Metamaterials.

May–July 2018 **Research Internship**, *M&MOCS International Research Centre*, L'Aquila (AQ), Italy.
Dam Stability, Structural Mechanics.

Languages

French	Native	
English	Proficient	*C1 (TOEIC score: 950)*
Italian	Basic/Independent	
Vietnamese	Mother tongue	

Computation tools

Languages	FORTRAN 77/90	Softwares	FreeFem++
	C++		Comsol
	Python		Abaqus

Interests

Ancient languages	Free-time studies of Latin and Ancient Greek.
History of Science	Especially Greek science.
Martial arts	Judo (3 years, orange belt), Kung Fu (4 years, blue belt), Taiji Quan (1 year).

References

Yildizdag, M. E., Tran, C. A., Barchiesi, E., Spagnuolo, M., dell'Isola, F., & Hild, F. (2019). A Multi-disciplinary Approach for Mechanical Metamaterial Synthesis: A Hierarchical Modular Multiscale Cellular Structure Paradigm. In *State of the Art and Future Trends in Material Modeling* (pp. 485-505). Springer, Cham.

Tran, C. A., Gołaszewski, M., & Barchiesi, E. (2020). Symmetric-in-Plane Compression of Polyamide Pantographic Fabrics—Modelling, Experiments and Numerical Exploration. *Symmetry*, 12(5), 693.

Laudato, M., Scerrato, D., Tran, C. A., & Barchiesi, E. (2020). International Conference on Nonlinear Solid Mechanics 2019: General Topics and Review of Plenary Lectures. In *Developments and Novel Approaches in Nonlinear Solid Body Mechanics* (pp. 1-13). Springer, Cham.