

PERSONAL INFORMATION

Meng Wang



Sex Male | Date of birth 04/05/1996 | Nationality Chinese

RESEARCH EXPERIENCE

July 2021 – January 2022

Numerical modelling of wave propagation in prestressed media

Supervisor: Annamaria Pau

- Numerical modelling of linear and nonlinear Lamb waves in different state of prestress conditions
- Second harmonic generation, relative nonlinear parameter with prestress and propagation distance

March 2018 – June 2018

Numerical simulation of air-coupled ultrasonic Lamb wave detection in composite materials

Supervisor: Libing Li

- 2D and 3D FEA of air-coupled Lamb waves propagation in isotropic and orthotropic materials and relevant experiments

EDUCATION AND TRAINING

September 2018 - January 2022

Master of Mechanical Engineering

Sapienza University of Rome, Department of Mechanical and Aerospace Engineering, Rome, Italy

- Control systems, Additive Manufacturing and Product Systems, Advanced Method in Mechanical Design, Dynamics of Micromechanical Systems, Measurement for Mechanical systems and Industry, Operations Management.

January 2021 - March 2021

Spring Subject of Analysis of Signals and Communication Systems

Nanyang Technological University, School of Electrical and Electronic Engineering, Singapore

- Signals and Systems, Linear Time-Invariant Systems, Amplitude Modulation, Frequency Modulation, Phase Modulation and Presentation.

September 2014 - June 2018

Bachelor of Aircraft Manufacturing

Equivalent to the Italy three-year degree in Mechanical Engineering

Tong Ji University, School of Aerospace Engineering and Applied Mechanics, Shanghai, China

- Composite Mechanics, Fluid Mechanics, Theoretical Mechanics, Mechanics of Materials, Advanced Mathematics, Linear Algebra, Foundation of Database, Interchangeability and Measurement Technics, C/C++ Programming, Electrotechnology.

PERSONAL SKILLS

Mother tongue(s)

Chinese

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
IELTS Academic — Score 6.0					

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Computer skills Good command of Microsoft Office™ tools
Good in FEA (COMSOL Multiphysics, Hypermesh)
Good in MATLAB, Mathematics
Basic in Programming (Python, C/C++)

Driving licence C1

ADDITIONAL INFORMATION

Publications M. Wang, A. Pau, Stress monitoring of plates by means of nonlinear guided waves, 10th European Workshop on Structural Health Monitoring EWSHM 2022, 4-7 July 2022, Palermo, Italy.

(National) L.Li, M. Wang. Simulation Research on Air-Coupled Ultrasonic Unilateral Testing of Composite Materials. Western China Acoustics Academic Conference, pp.322-325, 2020.

(National) L.Li, M. Wang. Numerical simulation of Lamb wave generated by air-coupled ultrasonic transducer. Technical Acoustics, vol.37(6), 19-22, 2018.

Honours and awards 2nd Place – 9th International Composite Material Student Contest of Society for the Advancement of Material and Process Engineering (SAMPE), Beijing, 2017.