

RESUME

PERSONAL DETAILS

GONG Xiao-Jing, French (Chinese by origin), born on 13th February, 1956, female, married, one child
Home adresse : 14, Chemin de Lourdes, 65380 AZEREIX, France
Mobile: 33 6 67 81 47 30
Business address: IUT Tarbes, Toulouse University III, 1, Rue Lautréamont, 65000, Tarbes, FRANCE
Office phone: 33 5 62 44 64 46
E-mail xiaoling.gong@iut-tarbes.fr
Present position: Full Professor, Toulouse University III, France
Research laboratory: Clément Ader Institute (ICA, CNRS UMR 5312), Gr Composites Materials and Structures
Head of Research Axis: Structures, Impact, Modelling and

Machining (SIMU)

EDUCATION:

2012

UNIVERSITY OF BOURGOGNE, FRANCE
HDR (Post Doctoral Degree) in Applied Mechanics, Acoustics and Materials

1992

UNIVERSITY OF TECHNOLOGY OF COMPIEGNE, FRANCE
Ph.D in Applied Mechanics, Acoustics and Materials

1987

UNIVERSITY OF TECHNOLOGY OF COMPIEGNE, FRANCE
DEA (equivalent to M.Sc) in Applied Mechanics, Acoustics and Materials

1982

NANJING UNIVERSITY OF AERONAUTIC AND ASTRONAUTIC, CHINA
B.Sc in Mechanical Engineering

RESEARCH EXPERIENCE:

Since 2013: Institut Clément Ader, “Composite Materials and Structures” group, Toulouse, France

1991-2013: Mechanics & Acoustics Laboratory at ISAT, University of Burgundy, “Structural mechanics and Mechanics of Composites and Joints” group, Nevers, France

Major areas of research: Mechanical behavior of composite materials and of adhesively bonded joints; Experimental characterization of composite structures; Durability and ageing testing; Damage control and detection; Static strength and fatigue life prediction; Design of composite structures, Modeling of structure behavior ; Composite technology (manufacturing and process control); Development and manufacturing of prototypes in composites materials; Repair of composite structures

1987-1991: Ph.D student in Laboratory of Polymers and Composites of University of Technology of Compiègne, Compiègne, France

Topics: Design of the automobile’s structures in composite materials; Experimental characterization of composite materials; Mixed mode delamination behavior of composite materials.

1981-1982: Engineering Student in Nanjing University of Aeronautic and Astronautic, China

Topics: Experimental and theoretical analysis of pressurized orthotropic plates made from carbon/epoxy composite with clamped edges; Conception of aircraft structures.

PROFESSIONAL EXPERIENCES

Since 2013: Full Professor in IUT Tarbes of Toulouse University III, Tarbes, France

1991-2013: Associate professor in ISAT, University of Burgundy, Nevers, France

1987-1991, Assistant professor in University of Technology of Compiègne, Compiègne, France

1982-1986: Assistant professor in Nanchang University of Aeronautic, Nanchang, China

LANGUAGES

CHINESE read, written and spoken fluently
FRENCH read, written and spoken fluently
ENGLISH read, written and spoken (good working knowledge)

RECENT PUBLICATIONS

Tiancheng Cao, Libin Zhao, Yu Gong, Xiaojing Gong, Jianyu Zhang

“An enhanced beam theory based semi-analytical method to determine the DCB mode I bridging-traction law”

Composite Structures, Volume 245, 1 August 2020, 112306, <https://doi.org/10.1016/j.compstruct.2020.112306>

Impact Factor : 3.853

J. Huang, M.L. PASTOR, C. GARNIER, X.J. Gong

“Investigation of self-heating and life prediction in CFRP laminates under cyclic shear loading condition based on the infrared thermographic data”

Engineering Fracture Mechanics, March 2020 DOI: [10.1016/j.engfracmech.2020.106971](https://doi.org/10.1016/j.engfracmech.2020.106971) Impact Factor: 2.908

M. PERRIN, I. YAHYAOU, X.J. GONG

“Acoustic monitoring of timber structures: influence of wood species under bending loading”

Construction and Building Materials, online 11 March 2019, Volume 208, 30 May 2019, Pages 125-134, 5-Year Impact Factor: 4.039

J. Huang, M.L. PASTOR, C. GARNIER, X.J. Gong

“A new fatigue life prediction model based on infrared thermography and degradation process for CFRP composite laminates”

International Journal of Fatigue, Available online 02 November 2018, Volume 120, March 2019, Pages 87-95, 9 pages 5-Year Impact Factor: 3.024

Xi. Li, Dayou Ma, Huifang Liu, Wei Tan, X.J. Gong, Chao Zhang, Yulong LI

“Assessment of failure criteria and damage evolution methods for composite laminates under low-velocity impact”

Composite Structures, Volume 207, 1 January 2019, Pages 727-739, 9 pages Impact Factor: 3.853

G. ANDROUIN, L. MICHEL, X.J. Gong

“Characterization of fatigue delamination growth under mode I and II: Effects of load ratio and load history”

Engineering Fracture Mechanics 203(2018), pages 172-185 14 pages 5-Year Impact Factor: 2.705

C.R. Cater, X. Xiao, R. Goldberg, X.J. Gong

“The Influence of Interlaminar Microstructure on Micro-Cracking at Laminate Free Edge”

Composites Part A, Volume 110, July 2018, Pages 217-226, 9 pages 5-Year Impact Factor: 4.487

C.R. Cater, X. Xiao, R. Goldberg, X.J. Gong

“Multiscale investigation of micro-scale stresses at composite laminate free edge”

Composite Structures, April 2018, Vol 189, pp545-552, 9 pages Impact Factor: 3.853

YAHYAOU, M. PERRIN, X.J. GONG

“Damage evolution in wood under tensile loading monitored by acoustic emissions”

TAMAP Journals of Engineering (TJENG), Tamp Journal of Engineering, Volume 2017, article ID-15, 13 pages

J. Huang, M.L. PASTOR, C. GARNIER, X.J. Gong

“Rapid evaluation of fatigue limit on thermographic data analysis”

International Journal of Fatigue 104 (2017) 293–301, 9 pages 5-Year Impact Factor: 3.024

M.S. Bin Mohamed Rehan, J. Rousseau, S. Fontaine, X.J. Gong

“Experimental study of the influence of ply orientation on DCB mode-I delamination behavior by using multidirectional fully isotropic carbon/epoxy laminates”

Composite Structures, Volume 161, February 2017, Pages 1–7, 7 pages Impact Factor: 3.853

Y.Y. Ge, X.J. Gong, A. Hurez, E. De Luycker

“Test methods for measuring pure mode III delamination toughness of composite”

Polymer Testing, Volume 55, October 2016, pp261-268, 8 pages Impact Factor: 2.350

X.J. GONG, P.C. CHENG, S. AIVAZZADEH, X.R. XIAO

“Design and optimization of bonded patch repairs of laminated composite structures”

Composite Structures, Volume 123, May 2015, Pages 292–300, 9 pages Impact Factor: 3.853

K.J. WONG, X. J. GONG, Shahram AIVAZZADEH, Mohd Nasir TAMIN

“R-Curve Modelling of Mode I Delamination in Multidirectional Carbon/Epoxy Composite Laminates”

Applied Mechanics and Materials (Volume 606), Materials, Industrial and Manufacturing Engineering Research Advances 1.2, Chapter 2: Manufacturing Engineering, **Edited by** Denni Kurniawan and Fethma M. Nor, August, 2014, pp159-163, 5 pages

L.L. PENG, X. J. GONG, L. Guillaumat

“Modélisation numérique de structures composites réparées par collage de patches externes en traction”
Revue des Composites et des Matériaux Avancés. Volume: 24, Number: 4/2014, Pages: 465-479, 15 pages

P.C.Cheng, X.J Gong, S. Aivazzadeh

“Experimental observation of tensile behavior of patch repaired composites”

Polymer Testing 34 (2014) 146–154, 9 pages Impact Factor: 2.350

L.L. PENG, X. J. GONG, K.J.WONG, L. Guillaumat

“Application of cohesive-zone models to delamination behaviour of composite material”

World Journal of Engineering, Volume 9, Number 2 / June 2012, pp109-118, 9 pages

L.L. PENG, X. J. GONG, K.J.WONG, L. Guillaumat

“Traction-separation laws on the application of cohesive-zone models to delamination behaviors of composite material”

World Journal of Engineering, Issue Supplement 2011, 2 pages

X.R.XIAO, H.G. KIA, X.J GONG,

“Strength Prediction of a Triaxially Braided Composite”

Composites: Part A 42 (2011) 1000–1006, 7 pages, Impact Factor 2012 (IF) 2,695

P.C.Cheng, X.J Gong, D. Hearn, S. Aivazzadeh

“Tensile behaviour of patch-repaired CFRP laminates”

Composite Structures, Volume93, Issue 2, January 2011, pp. 582-589, 8 pages Impact Factor 2012 (IF) 2,646

X.J.Gong, A Hurez , G. Verchery

“On the determination of delamination toughness using multidirectional DCB specimens”

Polymer Testing, Volume 29, Issue 6, September 2010, Pages 658-666, 9 pages IF 1,608

20/04/2020 Tarbes, France

