

# CURRICULUM VITAE

## **ID & current position**

Family name: LETHIECQ, First name: Marc  
Born: 1960 in Saint-Jérôme, Québec, Canada  
Citizenships: French and Canadian  
French and English mother languages, basic Italian

Current Position: Full Professor in Electrical & Systems Engineering at INSA Centre Val de Loire (Institute of Technology), 3 rue de la chocolaterie, 41000, Blois, France.  
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Researcher within GREMAN UMR 7347, a joint laboratory between University of Tours, CNRS and INSA Centre Val de Loire on materials, microelectronics, acoustics and nanotechnology.

Teaching mostly within INSA Centre Val de Loire (BSc and MSc in Engineering)

## **University degrees**

**June 1984:** Electrical Engineering Diploma (MEng) from INSA-Lyon, France

**September 1984:** MSc in Acoustics (D.E.A. d'Acoustique, spécialité Ultrasons ), University of Lyon I / INSA-Lyon / Ecole Centrale de Lyon, France

**October 1988:** PhD (Docteur-Ingénieur), INSA-Lyon, France, *Signal processing and data analysis methods applied to non-destructive characterisation of adhesive bonds.*

**January 1994:** Qualification to supervise PhD students (HDR), University of Tours

## **Positions**

**1984 - 1987:** Assistant professor at INSA-Lyon. Research in the Ultrasound and Signal Processing Laboratory and undergraduate courses in physics and electronics.

**1987 - 1990:** R&D engineer on ultrasonic transducers at VERMON & CNTS companies, France.

**1990 - 2019:** Associate Professor and then from 1994 Full Professor in Electrical & Electronics Engineering at University of Tours.

**2019 - today:** Full Professor in Electrical & Electronics Engineering at INSA Centre Val de Loire.

## **CURRENT & RECENT ACTIVITIES**

- Research: projects in the field of ultrasonic instrumentation, in particular on transducers, sensors and piezoelectric materials & devices (20% of a full-time).
- Teaching: courses in electronics and physics at undergraduate level, in feedback control, ultrasonic & piezoelectric devices, imaging and measurements at graduate level (20% of a full-time).
- Scientific advisor: within the French Ministry of Higher Education and Research in the department in charge of Mathematics, Physics, Nanoscience, Digital and Communications Science (60% of a full-time)
- Miscellaneous: member of the IEEE and of UFFC Society for over 30 years, member of the French University Council in EE (CNU 63), of the French Society of Acoustics and currently acting as representative of UFFC Society in Region 8.

Main past - but recent - responsibilities:

- Creator and Director of GREMAN laboratory (120 persons) from January 2012 to December 2018
- Director of FANO, a research federation on Acoustics from January 2012 to December 2016
- Deputy-Director of the Regional Doctoral School on Energy, Materials and Science for Earth and Universe from January 2012 to September 2016
- Director of Education at INSA Centre Val de Loire from December 2015 to August 2019
- Scientific Advisor for instrumentation waves & nanoscience within the French Ministry of Higher Education, Research, and Innovation (MESRI-DGRI-SSRI) since October 2019

Main past responsibilities:

- Scientific management of research projects, in particular co-ordinator of a European FP5 project (acronym PIRAMID) and scientific co-ordinator of a FP6 Network of Excellence (acronym MIND – Multifunctional & Integrated piezoelectric Devices)
- Organisation of international conferences such as World Congress on Ultrasound, International Conference on Biomedical Microscanning, PIEZO 2007 to 2015 and national conferences such as the French Conference on Acoustics

Supervision of PhDs: 24 defended under my supervision + two on-going

## SCIENTIFIC PUBLICATIONS

(details at <https://scholar.google.com/citations?user=PcS-p2oAAAAJ&hl=fr>)

> **100 papers in referenced international journals** - main journals: IEEE Trans. UFFC; J.Appl.Phys.; J.Europ.Ceram.Soc.; J.Phys.D: Appl.Phys.; Ferroelectrics; Journal of the Acoustical Society of America; Sensors and Actuators B; Ultrasonics.

> **110 papers in International Conference Proceedings**, mainly IEEE IUS and ISAF.

**25 invited talks in International Conferences**

H-index (Google Scholar 2022): 27

## SCIENTIFIC EXPERTISE & REVIEWS

Expert for AERES/HCERES (French agency for evaluation of research): evaluation of university & CNRS research teams (electrical engineering, acoustics, materials science).

Expert for ANR (French Research Agency), ARRS (Slovenian Research Agency), Canadian, Polish, Dutch and British public research institutions: reviewer for research projects, PhD & post-doctoral grants (in applied science & engineering).

Reviewer for the main international journals in acoustics/ultrasound & piezoelectrics/ferroelectrics (IEEE trans. on UFFC, JASA, Ultrasonics, Electroceramics, J. Europ. Ceram Soc., Sensors & Actuators, etc.) & for international conferences in the same fields.