

Philippe LASAYGUES

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"Wave & Imaging" Group

*Head of the CNRS platform on Ultrasonic Science
Technical head of the AMU education platform on ultrasound*

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□ Professional Affiliations

- European Acoustics Association (**EAA member**)
Board of the Technical Committee on Ultrasound (TC-ULT);
- French Acoustical Society (**SFA member**)
Board of the Physical acoustics, Underwater acoustics, Ultrasonic group (GAPSUS)

□ Education

- *2006:* Award of the French Habilitation Qualification (HDR), Aix-Marseille University.
- *1992:* Ph-D degrees in Acoustic, Aix-Marseille University.

□ Career

- *1989-92:* Ph-D Student, Laboratory of Mechanics and Acoustics, CNRS, Marseille.
- *1992:* Engineer, DIGILOG Company, Aix en Provence.
- *1992-96:* Assistant director, ALCTRA Company, Paris.
- *1996:* Research Engineer (IR), Laboratory of Mechanics and Acoustics, CNRS, Marseille.
- *2014:* Senior Research Engineer (IRHC), Laboratory of Mechanics and Acoustics, CNRS, Marseille.

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□ Honors

2001: Pierre Chavasse Award, French Acoustical Society (SFA).

□ Research fields

- Ultrasonic imaging, ultrasound, wave propagation, inverse problem, computed tomography;
- Biomedical engineering, non-destructive applications, tissue characterization;
- Signal processing and experimental engineering;

❑ National and International Projects (recent)

SUBITO 2016 (partner), ANR BioGMID 2012 (head), MALICE 2015 (head), BBMUT 2015 (partner), SMART-US 2014 (partner), CUMBA 2017 (partner), "Provence-Alpes Côte d'Azur" Council 2016 (head), IC STAR MUSEM 2015 (partner), CROISSANCE 2016 (partner), IUQUA 2016 (partner), FSR Suisse (head), NRC Canada (head), ECOS Nord Colombia (partner),

❑ Collaborations

Marseille (Institut of Mouvement Science, Fresnel Institut, IRPHE, CINAM, IUSTI, APHM, CERIMED), **France** (CIRAD Montpellier, INSERM Lyon, INSA Lyon, IES Montpellier, LAUM Le Mans, LAAS Toulouse, FEMTO Besançon, LIB Paris, Institut Langevin Paris), **International** (University of Monastir, Tunisia, Universidad Nacional de Colombia, Bogota, University of Alberta, Edmonton, Canada)

❑ Teaching

Polytech Marseille (since 1996, *Ultrasonic imaging and echography*), University Institute of Technology (IUT-AMU; since 2008, *Current Ultrasound Quality Control*), Centrale Marseille (since 1996), Faculty of Sport Sciences (STAPS 2004 - 2018).

Technical head of the AMU education platform on ultrasound;

❑ Expert

- 16 PhD Thesis referees and Qualifications (HDR), 70 Training courses & master's degree.
- Aix-Marseille University: *STAR* Carnot Institute (head « Imagerie & Diagnostics » board), PR2I (« Santé et Sciences de la Vie » et « Sciences et Technologies »)
- Scientific and Technical Council (Centre de Transfert de Technologie du Mans ; DIGITEO- ParisTech Ile-de-France ; ECND Pays de Loire ; Direction Régionale Recherche & Technologie) ; French National Agency (ANR) ; National Research Council Canada (NRC);

❑ Steering Committees

French/European Acoustical Congress (1997, 2008, 2012, 2013, 2014, 2016, 2020, 2022); *4th International Conference on Ultrasonic-based Applications: from analysis to synthesis 2020*; *9th Forum Acusticum 2020*; *8th International Symposium on Ultrasonic Characterization of Bone - ISUCB 2019*; *International Congress on Ultrasonics* (WCU 2003, ICU 2015); *Acoustical Society of America* (Acoustics 2008);

❑ Honor thesis (recent)

- CAILLY William (2020 – *Ultrasound Computed Tomography of pipes and plates*)
- DIONG M. Lamine, (2015 - *Statistical optimization algorithms applied to inverse problems in electromagnetism and acoustical imaging*),
- ARCINIEGAS Andrés, (2014 - *Ultrasonic computed tomography of standing trees*),

❑ Publications (updating January 2020)

- Web of Science, Citations/Year = 22.76, h-index = 13.
- RG Score, 31.45, h-index (self-citations) = 11 (14).
- Google Scholar, h-index = 20 ; i10-index = 35.

3 Keynote lectures; 2 Invited papers; 4 Chapters in book; 46 Refereed Journal Articles; 136 Non-refereed journal articles & Congress; 20 Seminars (international & national).