

Philippe LASAYGUES

Senior research engineer (IRHC)

French National Centre for Scientific Research (CNRS)

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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**)
Technical Committee on Ultrasound (TC-ULT);
- French Acoustical Society (**SFA member**)
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.
- *2011:* 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 (major) Projects

ANR INVICT-US 2023 (TL), AMU ARCHÉ-US 1&2 (PI), CNRS MéCASUROS 2021 (TL), AMU THEOS 2021 (PI), CNRS SUBITO 2016 (TL), ANR BioGMID 2012 (PI), ANR MALICE 2015 (PI), ANR BBMUT 2015 (TL), ANR SMART-US 2014 (TL), ANR CUMBA 2017 (TL), "Provence-Alpes Côte d'Azur" Council 2016 (PI), IC STAR MUSEM 2015 (TL), IC STAR CROISSANCE 2016 (TL), IC STAR IUQUA 2016 (TL), FSR Suisse (PI), NRC Canada (PI), ECOS Nord Colombia (PI).

PI = principal investigator, TL = task leader

❑ Collaborations (currently)

Marseille (IRPHE, APHM, CERIMED), **France** (Institute Clément ADER, Tarbes, CIRAD Montpellier, SATIE Cergy-Pontoise, LAAS Toulouse, IBV Nice), **International** (University of Monastir, Tunisia, Universidad Nacional de Colombia, Bogota)

❑ Teaching

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

Technical head of the AMU education platform on ultrasound;

❑ Expert

- 18 PhD Thesis referees and Qualifications (HDR), 80 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)

- DOVERI Elise (2023 - *Ultrasound diagnostic and therapy*), France
- HUERTAS Juan (2024 - *Electromagnetic and acoustic cell stimulation*), Colombia
- CAILLY William (2020 - *Ultrasound Computed Tomography of pipes and plates*), France

❑ Publications (updating January 2020)

- Web of Science, Lasaygues P., Citations/Year = 27, h-index = 15.
- RG Score, 32.75, h-index (including self-citations) = 14 (17).
- Google Scholar, h-index = 20 ; i10-index = 43.

5 Keynote lectures; 6 Chapters in book; 55 Refereed Journal Articles; 152 Non-refereed journal articles & Congress; 24 Seminars (international & national).

