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## **Claude Inserra** Ph.D

**University of Lyon**  
**France**

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### Education:

2004-2007: PhD thesis in Nonlinear Acoustics, Laboratoire d'Acoustique de l'Université du Maine, University of Le Mans, France

### Professional Experience:

2008-2009: Postdoctoral researcher, Laboratoire de Mécanique Physique, Talence, Université de Bordeaux, France.

2007-2008: JSPS Postdoctoral researcher, Graduate School of Energy Science, Kyoto University, Kyoto, Japan.

### Honors & Awards:

2014: PEDR and PES from the French Ministry of Education and Research

2007: R.W.B. Stephens Prize at the International Congress of Ultrasonics (Vienna, Austria)

### Short Bio:

Dr Inserra's area of research is the mechanical behavior of micro-sized inhomogeneity in complex media. He received his PhD degree in Acoustics from the Le Mans University in 2007 in the field of nonlinear acoustics and was awarded by the RWB Stephens Prize at the International Congress of Ultrasonics for his pioneer work on nonlinear acoustics in granular media (2007). After a postdoctoral fellowship in Kyoto University, Japan, under a JSPS program (2007-2008) in nonlinear acoustics of inhomogeneous media, he came back to France in Bordeaux University (Laboratoire de Mécanique Physique) as a postdoctoral research to perform theoretical studies on substrate-cell adhesion properties probed by gigahertz acoustics. He is currently Associate Professor at the University of Lyon, in the Mechanical Engineering Department, and leader of the "Coupling and Control" group of the LabTAU U1032, where he develops experimental methods to investigate the interaction mechanisms between ultrasound and surrounding biological cell and tissues.