



SHORT BIO:

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Prof. Lucien Laiarinandrasana received his PhD in Materials Science and Engineering from École des Mines de Paris in November 1994. With over 30 years of experience, his research focuses on the experimental testing and constitutive modelling of polymers and composites, including elastomers (with and without reinforcement), thermosets, adhesives, and thermoplastics.

He leads work on multiscale experimental approaches and physical modelling of materials used in demanding sectors such as automotive, aerospace, and energy—particularly in components like pressure vessels and piping systems. His research emphasizes the role of microstructural evolution in defining mechanical response, enabling the development of physically based constitutive models and durability assessments.

Since 1995, Prof. Laiarinandrasana has been a researcher at the Centre des Matériaux – Mines Paris PSL in Satory, France, within the "Experimental Mechanics and Materials" (XMEM) team. He is also actively involved in higher education, teaching various topics in materials mechanics across engineering schools and universities in Paris. He has supervised more than 32 PhD students throughout his career.