

## Luis Guerra Rosa

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Luis Guerra Rosa obtained the Ph.D. degree in mechanical engineering with a thesis on fatigue crack nucleation and propagation in steels, using fracture-mechanics concepts, in 1986.

Nowadays, he is Associate Professor with Agrégation, at the Instituto Superior Tecnico, Universidade de Lisboa, Lisboa, Portugal (Department of Mechanical Engineering; scientific area of mechanical project and structural materials).

Luis Rosa started his research and teaching career at the same institute in 1977, after his graduation in metallurgical engineering. In 1988, he created his own research group, changed slightly his research topics, and focused on ceramics and composite materials, including petrous materials, their characterization, and processing. Since then and taking advantage of his earlier experience, Rosa has been devoting his time to problems involving structural and technological characterization of materials at different stages of their elaboration, to understand their behaviour, to compare their properties to references and specifications, and to evaluate their performances in condition simulating applications. Till the present date, he authored more than 80 technical papers in international scientific periodicals or as chapters in books and more than 110 papers in proceedings of international conferences and symposia; he edited 5 books of conference proceedings and authored 1 book on the development of laminate composites.

Current research interests: 1) Materials processing & use of solar heat for industrial processes; 2) Ornamental & engineered stones; fracture mechanics & machining of hard materials; 3) Advanced characterization methods & structural integrity assessment of materials & components.

See profile and publications in ResearchGate: [https://www.researchgate.net/profile/Luis\\_Rosa2](https://www.researchgate.net/profile/Luis_Rosa2)

### URLs:

Homepage: <https://fenix.ist.utl.pt/homepage/ist11630>

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Currículo Lattes: <http://lattes.cnpq.br/9451550144301905>

Luis Guerra Rosa in Google Scholar:

<https://scholar.google.pt/citations?user=TIRjPSoAAAAJ&hl=en&citsig=AMstHGQqNTnS7WTKds63GkkiwmgwtKTEsQ>

Luis Guerra Rosa in ResearcherID: [www.researcherid.com/rid/F-2513-2010](http://www.researcherid.com/rid/F-2513-2010)

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