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15th International Conference on Surfaces,
Coatings and Nanostructured Materials
www.nanosmat2024.com

SHORT BIO:

Alvaro José Damião

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Bachelor's in Physic from Campinas State University (1977), master's in Physic from Campinas State University (1982) and doctorate in Physic from Campinas State University (2002). Has experience in physics, focusing on Optics, acting on the following subjects: thin films, metrology, optics, among others.

Formal Education/Degree

2000 - 2002 Ph.D. in Physics. Campinas State University, UNICAMP, Brasil. Year of degree: 2002. Keywords: laser ablation; thin films; optical properties.

1978 - 1982 Master's in Science. Campinas State University, UNICAMP, Brasil. Year of degree: 1982. Keywords: ellipsometry, thin films, digital instrumentation.

1974 - 1977 Under Graduation in Physics. Campinas State University, UNICAMP, Brasil.

PROFESSIONAL EXPERIENCE

Administrative

Researcher at Instituto de Estudos Avançados (IEAv) from 1987 to 2017.

Head of the Applied Optics Subdivision - IEAv/CTA from 1990 to 2007.

Head of the Photonics Division – IEAv-CTA from 2007 to 2010.

Permanent Professor of the Graduate Course of the Aerospace Sciences and Technologies Program at the Technological Institute of Aeronautics since 2009.

Coordinator of Research Project - Rhae/ Special Materials - Process n.610.007/ 95-5.

Participation in the local organization, organizing committee or work committee in more than 30 national and international conferences

Scientific

Ellipsometric measurements - since 1979; Development of Optical Precision Components - Since 1987; Optical characterization of surfaces - since 1987; Dielectric Multilayer Design – Since 1989; Precision surface metrology - since 1989; Laser ABblation - Since 1990; Laser Applications to Dentistry - Since 1996.

Technique

Vacuum systems, digital intrusion, mounting optical and imaging systems, design of interference optical filters, polishing precision optical surfaces.