

Juan Claudio Nino

Professor at University of Florida

Gainesville, FL, US

Juan Claudio Nino focuses on the development & engineering of advanced functional materials for sustainable energy & applied AI methods.

Biography

Juan Claudio Nino's research focuses on the development and engineering of advanced functional materials for sustainable energy, national security, and brain-inspired computing as well as the design and implementation of artificial intelligence methods and algorithms for autonomous characterization. His current research at the Nino Research Group on advanced functional ceramics, polymers, bio-inspired materials, and their composites focuses on focus includes optimization and development of advanced functional materials for: semiconductors and scintillators for radiation detection, electronics under extreme environments, energy conversion and storage, and graph theory and neural network applications.

Areas of Expertise

Ceramic Processing, Materials Under Extreme Environments, Synthetic Brains, Energy Storage, Neuromorphic Hardware, Applied AI, Energy Materials, Nuclear materials, Ethics of AI, Sustainable Materials, National Security, Alzheimer's Disease, Radiation Effects on Materials

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