

Riccardo Corpino | Associate Professor of Experimental Physics of Matter

Dipartimento di Fisica, Università di Cagliari – Monserrato (CA) – Italy

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Current Position

Department of Physics, University of Cagliari

Associate Professor

2023–Present

Academic Discipline: 02/B1 Experimental Physics of Matter

Research Summary

Fields: Characterization of technological materials using optical spectroscopy, time-resolved fluorescence, and Raman spectroscopy.

Materials: Bulk and nanostructured silica, carbon-based nanomaterials, and compounds for the substitution of Critical Raw Materials (CRM).

Education

University of Cagliari

Ph.D. in Physics

1996–2000

Thesis: "Optical characterization of Oxygen Deficient Centers in Silica"

University of Cagliari

110/110 Summa cum Laude

M.Sc. in Physics (Laurea)

1990–1995

Thesis: "Time evolution of the 3.1 eV band in silica"

Appointments & Responsibilities

Time-Resolved Fluorescence Laboratory, UNICA

Head of Research Line

2005–Present

Development and implementation of experimental setups and measurement protocols.

European Commitment RESET

Member of the Coordinating Board

2014–Present

Raw Elements Substitution in Electronic and optoelectronic Technologies.

Teaching Activity

Lecturing: Primary instructor for over 33 university courses, with a focus on Physics II for Engineering and Chemistry degree programs.

Supervision: Advisor for numerous Master's and Bachelor's theses in Physics and Chemistry.

Scientific Output & Editorial Work

Articles: Author of 67 articles in peer-reviewed international journals.

Conferences: 17 contributions to international conference proceedings.

Editorial: Topic Editor for the *Journal of Carbon Research* (MDPI) and Reviewer Board Member for leading international journals.