

## **Daniele Chiriù - CV**

He holds a Master of Science degree in Physics, which he earned with honors (110/110 cum laude) in 2003 from the University of Cagliari. Subsequently, in 2007, he achieved his Ph.D. in experimental Physics.

From 2007 to 2010, Chiriù worked as the Research and Development (R&D) supervisor at SCIMEX s.r.l. – SAES Opto Materials, focusing on crystals for optoelectronics, thermoluminescent dosimetry (TLD), optically stimulated luminescence (OSL) dosimetry, X-ray digital imaging, PET imaging, and laser materials. Following this, he served as an R&D engineer and production supervisor at Portovesme s.r.l. (Glencore) from 2010 to 2013.

Since 2013, assumed the role of Assistant Professor (RTDa) at the Department of Physics, University of Cagliari. He concurrently led the Unit for the FIRB project titled "Time through Colors: study of cultural heritage artifacts by means of non-destructive techniques". In recognition of his contributions, he became an Associate Professor in Applied Physics (02/D1 – FIS07) at the same university in 2022.

In 2023, he achieved the National Qualification as a Full Professor in Applied Physics (02/D1), further solidifying his expertise and standing in the field. He is co-author of 70 publications on ISI/Scopus rated journals and numerous invited talks/communications at National and International Conferences and Events, in the field of Applied Physics. Citations: 930, H-index: 17 (Scopus database).

His current research is mainly focused on the field of cultural heritage in particular: 1) development of new surface analysis and non-destructive diagnostic techniques; 2) development of new stratigraphic non-destructive techniques; 3) aging and kinetic degradation models; 4) estimation of degradation and interaction with the environment.