

Paolo Mauriello
Full Professor of Applied Geophysics (GEO/11)
University of Molise
Department of Agricultural, Environmental and Food Sciences
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17.03.1994: **Degree in Physics**
Thesis in Applied Geophysics entitled “*Study of the frequency scattering of electrical resistivity in the magnetotelluric investigation of two-dimensional crustal structures*”, grade 110/110 cum laude; the thesis was awarded the gold medal “A. Norinelli” of the GNGTS (National Solid Earth Geophysics Group) and the University of Padua in 1994 as the best thesis in Applied Geophysics of that academic year. University of Naples Federico II

27.05.1998: **PhD in Geophysics and Volcanology**
Dissertation in Applied Geophysics entitled “Electromagnetic Tomography” University of Naples Federico II

Dal 1.04.1998
al 31.10.2002: **Researcher according to ex art. 23 and First Researcher**
CNR - Institute of Technologies for Cultural Heritage Montelibretti, Rome

- **Director of the Department of Humanities, Social Sciences and Education** of the University of Molise. (May 1, 2012 - January 31, 2014)
- **Dean of the Faculty of Humanities and Social Sciences** of the University of Molise. (November 1, 2009 - April 30, 2012)
- **Member of the Evaluation Team** of the University of Molise for the three-year academic period 2009-2012.
- **Member of the University Commission for the Evaluation of Research Quality**, VQR 2004-2010. (December 2011 - January 2014)
- **Representative of the Rector** for the evaluation of the effectiveness and efficiency of the teaching and scientific structures of the University. (from 2006 to October 2013)

From Feb. 1, 2014
to Jan. 31, 2018: **Director of the Institute of Applied Technologies for Cultural Heritage, CNR.**

From 1.11.2002
to present: **Full Professor of Applied Geophysics (GEO /11)**
University of Molise

The research topics mainly concern the development and application of probability tomography in geophysical studies applied to volcanology and near-surface studies, with special reference to archaeological and architectural problems. A significant part of the activity concerned the development of prototypes of portable electromagnetic instruments for cultural heritage and algorithms for 3D tomography processing of geoelectrical and electromagnetic data. The research also deals with the integration of geophysical tomography with 3D reliefs for the knowledge, the valorization and the protection of the hidden heritage, in particular of the so-called secondary sites, and coordinates national and international research projects.

The teaching activities at the University of Molise were primarily related to the SSD of GEO /11. At the same time, since joining the University in 2002, he has always been concerned with the creation and development of cultural heritage courses, promoting the interaction between humanistic and scientific disciplines related to cultural heritage.

In particular, he oversaw the creation and establishment of the **Department of Humanities, Social Sciences and Education** with the enactment of Law 240 and became its first director in May 2012, after becoming President of the **Faculty of Humanities and Social Sciences**.

Teaching activities at the University of Molise included taking **Applied Geophysics** for the courses in Cultural Heritage (three-year) and in Archaeology, Cultural Heritage and Tourism (Master), as well as teaching **Physics** for Medicine, Engineering and Agriculture.

He currently teaches **Applied Geophysics** in the Literature and Heritage programme and teaches **Mathematics** courses for the Department of Agricultural, Environmental and Food Sciences.

He is now paying special attention to organizing the teaching of science disciplines for the master's degree programme in primary education by teaching the courses **Fundamentals of Mathematics, Mathematics Education, and Physics Education**.

He has taught Applied Geophysics in undergraduate and master's programmes at other universities.

Member of the International Council for Research Doctorates, currently in the field of “Agricultural Technologies and Biotechnologies”, with administrative seat at the University of Molise.