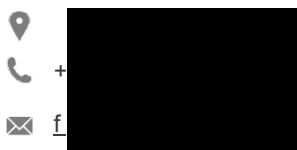


PERSONAL INFORMATION Fabio Bruno



| *Nationality* Italian

Enterprise	University	EPR
<input checked="" type="checkbox"/> Management Level	<input type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist
<input type="checkbox"/> Mid-Management Level	<input checked="" type="checkbox"/> Associate Professor	<input type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

(From Jan 2012 - to Present)

Associate Professor

University of Calabria

DIMEG: Department of Mechanical, Energetics, and Management Engineering - www.dimeg.unical.it

- Associate Professor in the scientific subject area: ING-IND/15 Design and Methods of Industrial Engineering
- Qualified teacher status of Full Professor obtained in accordance with Decree of Italian Ministry of Education no. 222, 20 July 2012.

(From Jan 2005 – to Dec 2011)

Assistant Professor

University of Calabria

DIMEG: Department of Mechanical, Energetics, and Management Engineering

Assistant Professor in the scientific subject area: ING-IND/15 Design and Methods of Industrial Engineering.

(From Jul 2008 – to Present)

Cofounder and President

3D Research s.r.l. – via P. Bucci 45c, Rende (CS) - www.3dresearch.it

President - R&D Manager

- Business or sector: Academic spin-off company of the University of Calabria founded in 2008. The company has 15 employees with permanent contracts, and it is involved in various research projects funded by EASME, EMFF, Creative Europe and H2020 program for the development of new technologies and systems for the documentation, and preservation of underwater cultural and natural heritage. Since 2020 he is President of the Board.

(From Jul 2008 – to Present)

Cofounder

Tech4Sea s.r.l. – via P. Bucci 46c, Rende (CS) - www.tech4sea.it

Research Project Supervisor

- Business or sector: academic spin-off of the University of Calabria, winner of the tender "Creating entrepreneurial spin-off companies and innovative micro-enterprises from universities and research centers by new graduates or PhD students" funded by POR Calabria FESR 2007 / 2013 under the Action Line 1.1.4.1. The company develops underwater technologies and mechatronic systems and devices for Oil & Gas, Industrial and Cultural Heritage sectors.

(From Feb 2015 – to Dec 2017)

Member of the Board of Directors

Cultura e Innovazione S.C.a R.L. – via Mario Nicoletta n. 28, Crotone - www.culturaeinnovazione.it

Research Project Coordinator

- Business or sector: The consortium is composed of 31 companies, two universities and CNR and it carries out infrastructure and operation's project of the Innovation Pole on Cultural Heritage in Calabria.

EDUCATION AND TRAINING

7 Feb 2006 PhD in Mechanical Engineering

University of Calabria, Faculty of Engineering

Dissertation title: "Innovative methods for industrial design based on virtual reality techniques."

Teaching activity	<p>Since 2000 – 2001 it has carried out teaching activities at the University of Calabria:</p> <ul style="list-style-type: none">▪ Since 2020 he is Professor of Graphical documentation for the restoration, Year IV, MS in Restoration▪ Since A.Y. 2019-2020 he is Professor of Virtual and Augmented Reality, Year II, MS at the Department of Mechanical, Energetics, and Management Engineering.▪ Since A.Y. 2016-2017 he is Professor of Rapid Prototyping, Year II, MS at the Department of Mechanical, Energetics, and Management Engineering.▪ Since A.Y. 2016-2017 he is Professor of Computer Graphics at the Department of Civil Engineering.▪ Since A.Y. 2008-2009 he is Professor of Machine Drawings at the Department of Chemical Engineering.▪ From A.Y. 2008-2009 to A.Y. 2015-2016 he has been Professor of Virtual Prototyping at the Department of Mechanical, Energetics, and Management Engineering.▪ Member of the Academic Board of the Ph.D. in Civil and Mechanical Engineering, University of Calabria.
Responsibility in Research Projects	<ul style="list-style-type: none">▪ Since June 2021 to June 2022: Project Manager of the project Interreg Med – BLUEMED PLUS - Capitalization by transferring to new Med territories the BlueMed multidisciplinary model for sustainable and responsible coastal tourism development, coordinated by Università della Calabria. Web-site: https://bluemed.interreg-med.eu▪ Since January 2020: Coordinator of the UNICAL-DIMEG research unit in the project H2020-ECSEL-JU INSECTT - Intelligent Secure Trustable Things a pan-European effort with 54 key partners from 12 countries (EU and Turkey) under grant agreement No 876038. Web-site: https://www.insectt.eu/▪ Since January 2020 to December 2021: Director of the Research Unit at 3DResearch in the project CREA CROSS SECT INNOVLAB - MAREBOX - Culture underwater time capsules at the bottom of the sea. (http://www.marebox.eu)▪ Since June 2020: Coordinator of the UNICAL-DIMEG research unit in the project SMILE - Smart Tools and Methods for the Digital Enterprise - funded by the Italian Ministry of Economic Development under the PON I&C 2014-2020 FESR.▪ Since 2019: Scientific coordinator of the H2020-MSCA-RISE TECTONIC Project "Technological Consortium TO develop sustainablility of underwater Cultural heritage", coordinated by Università della Calabria (Grant Agreement n° 873132). (www.tectonicproject.eu).▪ Since 2019: Director of the Research Unit at the University of Calabria in the project EASMEEMFF BlueEconomy – SCIENCE DIVER "Cross-sectoral skills for the Blue Economy labor market", financed by EASME through the Call: EMFF-BlueEconomy-2018. (www.sciencediver.eu).▪ Since May 2019: Director of the Research Unit of the 3DResearch in the project COSME - MeDryDive "Creating personalized dry dive experiences for the promotion of Mediterranean Underwater Cultural Heritage sites as distinctive tourism destinations" (www.medrydive.eu).▪ Since January 2019: Director of the Research Unit of the 3DResearch in the project EASME/EMFF DiveSafe "Integrated system for scientific and environmental underwater surveys, with advanced health & safety features" (www.divesafe.eu).▪ Since March 2017 to February 2019: Director of the Research Unit of the 3DResearch in the project "Lab4Dive - Mobile Smart Lab for Augmented Archaeological Dives" funded by the Executive Agency for Small and Medium-sized Enterprises (EASME) of the European Commission by means the Call EASME/EMFF/2016/1.2.1.4 "BLUE-LABS". The project co-ordinator is Atlantis Consulting based in Thessaloniki (Greece).

- Since June 2017 to December 2019: Principal Investigator of the Research Project "MOLUX - MOBILE Lab for Underwater eXploration" funded by the Regional Council of Calabria under the POR2014-2020. Project partners are UNICAL-DIMEG, 3DResearch, Tech4sea and Italia Compositi.
- Since January 2017 to December 2018: Director of the Research Unit at the University of Calabria in the project "Underwater Cultural Route in Classical Antiquity" funded by the European Commission with the Call EASME/EMFF/2015/1.2.1.8 "Thematic Routes on Underwater Cultural Heritage". The project coordinator is Atlantis Consulting based in Thessaloniki (Greece). <http://www.diveinhistory.com>
- Since November 2016 to December 2019: Director of the Research Unit of the 3DResearch in the project "IMARECULTURE - iMmersive serious games and Augmented REality as tools to raise awareness and access to European underwater CULTURAL heritagE", funded by the European Commission with the Call: H2020-SC6-CULT-COOP-2016-2017 of the Horizon H2020 programme. International partnership with Cyprus University of Technology as project co-ordinator. www.imareculture.eu
- Since November 2016 to January 2020: Director of the Research Unit at the University of Calabria in the project "BLUEMED - Plan/test/coordinate Underwater Museums, Diving Parks and Knowledge Awareness Centres in order to support sustainable and responsible tourism development and promote Blue growth in coastal areas and islands of the Mediterranean", funded by the European Commission with the Interreg Mediterranean programme.
- Since April 2014 to September 2016: Principal investigator of the project PAC02L2-00040 "VISAS - Integrated Enhancement of Underwater Archaeological Sites" funded by Italian Ministry of Education, Universities and Research. The partnership was made by: University of Calabria, CNRIAMC, 3D Research s.r.l., Enviroconsult s.r.l., and Applicon s.r.l. www.visas-project.eu
- Since March 2014 to December 2015: Director of the Research Unit of the DIMEG in the project "NANOPROTECH - NANO PROtection TEchnology for Cultural Heritage". The project aimed to develop conservation techniques for the restoration of the cultural heritage, which includes cleaning procedures that may trigger new degradation mechanisms of the original material. 3D Research has been involved in designing and implementing a prototype of nanoparticle sprayers. 3DResearch was the project co-ordinator, and the partnership was composed of: Syremont s.p.a., C.B.C. Conservazione Beni Culturali Soc. Coop., University of Calabria, CNR-ISAC. The project has been funded by the Regional Council of Calabria.
- Since March 2014 to December 2015: Director of the Research Unit of the DIMEG in the SCODA – Integrated Certification System for Artwork – project aimed to develop new methodologies and tools for certifying and dating artwork and to create an innovative system based on an intelligent and upgradable database for the certification and dating of works of art. The project has been carried out by the leader company TEA in partnership with the University of Calabria, and 3DResearch and Diarco Restauro companies. The project has been funded by the Regional Council of Calabria.
- Since September 2012 to April 2015: Director of the Research Unit of the DIMEG in the project "ITACA - Innovative Tools for cultural heritage ArChiving and restorAtion", presented by TEA s.a.s. in partnership with CNR-ISTI, Pisa, and University of Calabria. The project has been funded by the Regional Council of Calabria.
- Since November 2011 to December 2015: Scientific director of the "3D survey – Computer Aided Design" Lab established by "Cultura & Innovazione S.C.R.L." Consortium in the context of the infrastructure and operation's project of the Innovation Pole on Cultural Heritage in Calabria – FESR 2007-2013.
- Since July 2011 to September 2015: Director of the Research Unit of the DIMEG and coordinator for the Operational Goal OR4: "Techniques for diagnostics, cleaning and preservation of underwater heritage" in the project COMAS "Planned in Situ Preservation of Underwater Archaeological Artifacts", funded by the Italian Ministry of Education.
- Since July 2011 to December 2015: Director of the Research Unit of the DIMEG for the project IT@CHA "Italian Technologies for Advanced Applications in Cultural Heritage" funded by the Italian Ministry of Education. The project is coordinated by Consorzio Cetma and 15 partners – both private companies and research bodies - are involved.
- Since June 2010 to December 2015: Director of the Research Unit of the DIMEG for the project SIRCOM "Integrated reconfigurable system for the multichannel communication" funded by the Italian Ministry of Education.

- Since September 2009 to September 2011: Director of the Research Unit at the University of Calabria in the Research Project AMMIRA (Multispectral Acquisition, Improvement, Indexing and Search of Artistic Artifacts) presented by TEA s.a.s. in partnership with CNR-ISTI, Pisa, and University of Calabria. The project was funded by the Regional Council of Calabria.
- Since February 2008 to September 2009: Director of the Research Unit at the University of Calabria in the Research Project RESTARTS (REStoration Tools for ARTS) – Module B, presented by TEA s.a.s. in partnership with CNR-ISTI, Pisa, and University of Calabria. The project was funded by the Regional Council of Calabria.
- Since February 2007 to February 2009: Director of the Research Unit in the Project MIURPRIN2006 - PUODARSI "Product User-Oriented Development Based on Augmented Reality and interactive Simulation".
- Since February 2007 to June 2009: Scientific manager for the Operational Goal OR8 "3D Representation and Visualization of Results" in the project CESIC (Supercomputing Center for Computational Engineering) by Nec Italy s.r.l., funded by the Italian Ministry of Education.
- Since December 2005 to September 2009: Scientific manager for the Operational Goal OR1 "Definition of methods, systems and tools for the in situ detection and the survey of underwater archaeological heritage" as part of the project MESSIAH (Innovative Methodologies, Tools and Services for Underwater Archaeology) funded by the Italian Ministry of Education and the Regional Council of Calabria in the context of the Framework Programme for the Technological District of Cultural Heritage in Crotone. Research subject: A.1.5 Development of techniques for underwater 3D survey and A.1.6 Development of a prototype of an underwater 3D scanner.

Bibliometric indices Number of publications indexed on Scopus: 110
Scopus h-index: 24
ORCID ID: 0000-0002-9755-475X

Personal Data In compliance with the Italian legislative Decree no. 196 dated 30/06/2003, I hereby authorize you to use and process my personal details contained in this document.

Rende, 08/06/2023

