

PERSONAL INFORMATION

Gian Marco Revel



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Sex Male | Date of birth 02/02/1970 | Nationality Italian

WORK EXPERIENCE

Since 01/11/2013 *Deputy Rector for European Research* at University Politecnica delle Marche. In this position he promotes management and scientific actions to increase the participation of the University in EU projects.

Since 01/11/2012 *Associate Professor* of Mechanical, Thermal Measurements, Diagnostics and Experimental Techniques at the Department of Industrial Engineering and Mathematical Sciences at Università Politecnica delle Marche

Since academic years 2001-2002 Lecturer of courses of *Measurements and Industrial Instrumentation, Measurements and Quality Control in Industrial Production, Measurements and Quality Control in the Mechanical Production, Methods and Instrumentation for Diagnostics* within the graduation courses in Engineering of Industrial Production and in Mechanical Engineering of the Università Politecnica delle Marche.
Tutor of 15 graduation thesis in Engineering of the Industrial Production and co-tutor of 40 graduation thesis in Mechanical Engineering.

Since 2002 Member of the *Teaching Board of the PhD course in Mechanical Engineering* at the Università Politecnica delle Marche.
He has been Tutor for 6 PhD Students.

from 16/04/2000 to 01/11/2012 *Assistant Professor* of Mechanical, Thermal Measurements, Diagnostics and Experimental Techniques at the Department of Mechanics at Università degli Studi di Ancona. During his activity he worked for the development and maintenance of the laboratory of Measurement and Experimental Techniques, focusing in particular on the planning and preparation of new tools and dealing with the purchasing and management of the scientific instrumentation.

From 01/04/1999 to 30/09/1999 Research Assistant
Department of Mechanics of the Università di Ancona, via Breccie Bianche snc, 60131 Ancona

Research activity on “*Development of a measurement system for ceramic particles through the acquisition and processing of images*”.

EDUCATION AND TRAINING

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PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Replace with name of language certificate. Enter level if known.					

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills ▪ good communication skills gained through the experience as University Professor for 15 years

Organisational / managerial skills ▪ leadership (currently responsible for a team of 12 people)

Computer skills ▪ good command of Microsoft Office™ tools
▪ good command of Labview and Matlab

Other skills ▪ Sport activities (surf, running, basketball)

Driving licence ▪ B

ADDITIONAL INFORMATION

academic year 2002-2003 and
2003-2004

Responsible of the Quality Insurance – RAQ for the graduation Course in Engineering of the Industrial Production at the Università Politecnica delle Marche in Fabriano (Ancona). In this role he was responsible of the management and maintenance of the Certification ISO 9001 of the graduation course.

Scientific Activity

Scientific Responsible of the research groups at Università Politecnica delle Marche for many National Research Programs and research Contracts carried out by the Department of Mechanics of Università Politecnica delle Marche on behalf of private companies.

Scientific Responsible for Università Politecnica delle Marche for the Industria2015 project “Large & Light Highly Decorated Ceramic Slabs” funded by the Ministry of Economic Development.

National Coordinator for the PRIN2009 Project “Development of a Laser-Ultrasonics System for Non-Destructive Testing in the field of Rail Transportation” funded by the Ministry of Education, University and Research.

Referee for many ISI international peer-reviewed journals (Shock & Vibration, Applied Physics, Applied Acoustics, Measurement, Ultrasonics, Optics Letters, Sensors&Actuators, Optics and Lasers in Engineering, etc.).

Considering the significance of the scientific research carried out in the *ceramic tile industry*, G.M. Revel is officially involved since 2004 in planning the European research for the Construction Industry. Covering this role he contributed to the work plan of the 7° Framework Programme and is now involved in the planning of Horizon2020. This work is developed within the European Construction Technology Platform (ECTP, www.ectp.org). Since 2005 he is Co-Leader of the Focus Area Materials of ECTP and member of the Support Group (Coordination Group) of ECTP.

Since 2006, invited by the European Commission and the ECTP Support Group, G.M. Revel, in cooperation with Autostrade per l'Italia s.p.a., has founded, launched and coordinated the Italian Construction Technology Platform – PTIC, www.ptic.it, with the objective to assure at the National research activity continuity and harmonization with the one carried out at European level by ECTP.

In 2010 Gian Marco Revel has been nominated by the Italian Ministry of Education, University and Research as Member of the Scientific Commission to support and control the development and implementation of the National Research Programme (PNR 2011-2013).

In 2011 Gian Marco Revel has been appointed by the European Commission as Expert and Rapporteur to coordinate the experts group in charge for the SET-Plan roadmapping exercise on “Materials Roadmap enabling low-carbon technologies” in the area *Energy Efficient Materials for Buildings*.

In 2011-2012 he has been nominated Coordinator of the Evaluation Panel in the field of Construction Industry to select projects presented for the Call of a large Industrial Research Programme launched conjunctly by Lombardia Region and Ministry of Education, University and Research.

Scientific Activity

In 2012 he was Evaluator of proposal for the Call for University Research proposals (PRIN2012) launched by the Ministry of Education, University and Research.

- In 2013 G.M. Revel he has been Member of an international Evaluation Panel organized by the Romanian Ministry of Education and Research for the evaluation of the activities of the following National Research Institutes (having both about 200 employees and relevant infrastructures) in Romania:

- National Institute of Research and Development in Mechatronics and Measurement Technique – INCDMTM;
- National Institute of Research - Development for Machines and Installations Designed to Agriculture and Food Industry – INMA.

Projects

Scientific Responsible for the research group of Università Politecnica delle Marche for 3 projects under HORIZON2020 programme:

- H2020-EeB-2014 Research and Innovation action: INSITER Intuitive Self-Inspection Techniques using Augmented Reality for construction, refurbishment and maintenance of energy-efficient buildings made of prefabricated components
- H2020-EeB-2015 Innovation action: NewTREND New integrated methodology and Tools for Retrofit design towards a next generation of ENERGY efficient and sustainable buildings and Districts
- H2020-SC5-2015-one-stage Coordination & support action: VERAM FP7-Vision and Roadmap for European Raw Materials envelope

Scientific Responsible for the research group of Università Politecnica delle Marche for 5 FP7 Projects (1 of them still running):

- FP7-2012-NMP-ICT-FoF: DAPHNE - Development of adaptive Production systems for Eco-efficient firing processes
- FP7-2011-NMP-ENV-Energy-ICT-EeB: CETIEB - Cost-Effective Tools for Better Indoor Environment in Retrofitted Energy Efficient Buildings
- 2010-NMP-ENV-ENERGY-ICT-EeB: COOLCOVERINGS - Development of a novel and cost – effective range of nanotech improved coatings to substantially improve NIR (Near Infrared Reflective) properties of the buildings
- FP7- NMP-2008-SME-2: AXIOMA - Smart release of biocides in finishing materials for the sector of construction
- FP7-ICT-2007-2: INTUBE - Intelligent Use of Buildings Energy Information

He is Scientific Coordinator of the FP7 project:

- FP7 - 2010 - NMP-ENV-ENERGY-ICT-EeB: SPORTE2 - Intelligent Management System to integrate and control energy generation, consumption and exchange for European Sport and Recreation Buildings

He has been Responsible for activities in the following projects

- FP7 - NMP - 2008 - LARGE-2: TRANS-IND - Integrated cost-effective construction process for transport infrastructures, based on a flexible industrialisation of FRP components
- FP6 - 2005 - Aero-1: CREDO - Cabin Noise Reduction by Experimental and Numerical Design Optimisation
- FP6 - 2005 - SUSTDEV: SILENCE - Quieter surface transport in urban area
- FP5 - 2002 - GROWTH: MONOTONE - Automatic quality control for industrial printing

- Projects
- FP5 - 2002 - GROWTH (Standard, Measurements & Testing): SENSOCER - Non Contact SENSORs for the on-line Characterisation of grEen Ceramic Tiles
 - FP5 - 1999 - GROWTH: ACES - Optimal Acoustic Equivalent Source Descriptors for Automotive Noise Modelling
 - FP4 - 1997 - BRITE/EURAM 3: IMPACT - Integrated Manufacturing and Production Automation for the Ceramic Tile Industry

Patents

co- inventor of 4 patents, two of them are International Patents:

- Patent n. WO 2005/026699 A1 "METHOD FOR CONTINUOUSLY CONTROLLING THE PARTICLE SIZE DISTRIBUTION OF POWDERS USED IN THE CERAMIC INDUSTRY, AND PLANT FOR ITS IMPLEMENTATION" published at international level on 24/03/2005. → G.M. Revel developed an image-analysis system to control the ceramic particle size distribution;
- Patent n. WO 2007/093481 A1 "A PROCESS FOR MANUFACTURING CERAMIC TILES" published at international level on 23/08/2007 → G.M. Revel developed a non-contact ultrasonic technique for the on-line control of bulk density distribution.

The two international patents are owned and commercialised by the company SACMI Group.

ANNEXES

- publications.