



Corrado Schenone

Associate professor

✉ corrado.schenone@unige.it

☎ +39 010 3532577

Education and training

Ph.D. in Technical Physics

Nucleate boiling of dielectric fluids with different configurations
University of Genoa - Genoa - IT

Degree in Mechanical Engineering

Thermal control of electronic equipments through boiling of dielectric fluids - Full marks and distinction
University of Genoa - Genoa - IT

High school diploma

Full marks

Academic experience

2000 - 2018

Associate professor

University of Genoa
Research on environmental energy and applied acoustics

1992 - 2000

Researcher

University of Genoa
Fundamental studies on heat transfer

Language skills

English

Independent

Spanish

Basic

Teaching activity

At present he is teaching 'Technical Physics' and 'Acoustics and Lighting' at the Faculty of Engineering of the University of Genoa. He is a member of the board of the PhD course in Mechanical Engineering

Visiting professor at Istanbul Technical University, Istanbul, Turkey in 2010

Visiting professor at Al Manar University of Tripoli, Tripoli, Lebanon in 2017.

Postgraduate research and teaching activity

Supervision of PhD students, residents and post-doctoral fellows

He has been supervisor of six PhD students:

- Davide Foppiano – Years: 2001-2003- Thesis title: Acoustica performance of linear disspipative silencers : expertimental and theoretical analysis
- Davide Borelli – Years: 2008-2010- Thesis title: Analysis of sound propagation in lined ducts and dissipative silencers
- Aglaia Badino – Years: 2009-2012- Thesis title: Applicability of dose effect relations for noise annoyance and sleep disturbance to two urban areas located in Istanbul and in Genoa
- Ilaria Pittaluga – Years: 2009-2012- Thesis title: Experimental characterization of the acoustical performance of different green roof systems
- Simona Repetto – Years: 2013-2015- Titolo tesi: Comparison of calculation methods for traffic noise analysis in urban areas
- Ermanno Lo Cascio – Years: 2015-in corso

He was responsible for the PhD students Mine Ascigil Dincer, Ahmet Sansala and Bilge San Ozbilen, coming from ITU of Istanbul, during their research activity at UNIGE within the Erasmus programme mobility. Moreover, he supervised the research activity of several Research Fellows.

PhD committees membership

He is a member of the board of the PhD Course in Mechanical Engineering at the University of Genoa

Postgraduate (PhD) teaching activity

He gave lectures for the PhD Course in Mechanical Engineering at the University of Genoa - Technical Physics Specialization, with classes on the subject “Numerical Modeling of Environmental Noise”

Research interests

Corrado Schenone has carried out research at the 'Department of Mechanical Engineering" (DIME) of the University of Genoa since November 1987. After fundamental studies on heat transfer, and particularly on boiling phenomena, his research has been addressing environmental energy and noise pollution. Currently, he is working on energy sustainability and noise control in urban areas.

The research activity has resulted mainly in the publication of 125 scientific papers, 74 of which presented in international meetings or printed on books or journals.

Grants

2018 - ONGOING

**General Coordinator of the EU Maritime Project REPORT
'Rumore e porti'**

European Union

Principal investigator

Partnership: University of Genoa, Centre Scientifique Et Technique Du Bâtiment Grenoble, University of Pisa, ARPAT Tuscany, University of Cagliari, LISA University of Corse - Duration 36 months

2018 - ONGOING

**UNIGE Coordinator of the EU INTERREG MARITIME IT-FR
Project SIGNAL Cross Border Strategies for the
Valorization of Liquid Natural Gas**

European Union

Principal investigator

Partnership: University of Genoa, Sardinia Region, OTC Corse, Centralabs, Chambre de Commerce et d'Industrie du Var, Liguria Region - Duration 30 months

2018 - ONGOING

**UNIGE Coordinator of the EU INTERREG MARITIME IT-FR
Project DECIBEL Dépollution acoustique des centres
portuaires urbains et insulaires**

European Union

Principal investigator

Partnership: Università di Genova, Chambre de Commerce et d'Industrie de la Haute-Corse (F), Comune di Olbia, ANCI Toscana Duration: 36 months

2018 - ONGOING

**UNIGE Coordinator of the EU INTERREG MARITIME IT-FR
Project RUMBLE Réduction du bruit dans les grandes villes
portuaires dans le programme maritime transfrontalier.**

European Union

Principal investigator

Partnership: Università di Genova, Regione Liguria, Office des Transports de la Corse (F), Autorità di Sistema Portuale del Mar Ligure Occidentale, Autorità portuale di Livorno, Università di Pisa, Autorità portuale di Cagliari, METROPOLE NICE COTE D'AZUR (F) - Duration 36 months

2018 - ONGOING

**UNIGE Coordinator of the EU INTERREG MARITIME IT-FR
Project IT-FR MONACUMEN MONitorage Actif Conjoint
Urbain-Maritime de la Nuisance**

European Union

Principal investigator

Partnership: Università di Genova, Autorità Portuale di Livorno, Autorità Portuale di Cagliari, Autorità di Sistema Portuale del Mar Ligure Orientale, Agenzia Regionale per la Protezione Ambientale Toscana, Chambre de

Commerce et d'Industrie de Bastia et de la Haute-Corse -Duration 36 months

2013 - 2017

**UNIGE Coordinator of the 7FP UE Project Combined
Efficient Large Scale Integrated Urban Systems - CELSIUS**

European Union

Principal investigator

Partnership: Göteborgs Stad, Stadt Köln, Rhein Energie AG (D), Greater London Authority, UK Power Networks, Gemeente Rotterdam, Comune di Genova, Genova Reti Gas S.r.l., SP Sveriges Tekniska Institut, London School of Economics, Imperial College London, Technische Universiteit Delft, Fachhochschule Köln, IMCG AB, Università Genova - Duration 42 months -
www.celsiuscity.eu

2012 - 2015

**General Coordinator of the ENPI-CBC-MED UE Project
Managing the Environmental Sustainability of Ports for a
durable development MESP**

European Union

Principal investigator

Partnership: Università di Genova, Al Manar University of Tripoli (Lebanon), ADEP (Patras, Greece), Autorità Portuale di La Spezia, Marine Science Station - Jordan University (Aqaba, Jordan), Port Authority of Tripoli (Lebanon) -
www.mesp.org

2011

**General Coordinator of the National Relevance Research
Project PRIN Multi-phase thermofluidodynamic for
improving energy systems efficiency**

Italian Ministry of Education and Research

Participant

2008

**Coordinator of the project 'Wood acoustic barriers with
selective diffractors'**

Italian Ministry of International Trade

Principal investigator

Editorial activity

Associate editor of the journal *International Journal of Acoustics and Vibration* (2016-ongoing)

Assignments abroad

He was associated to Istituto Nazionale di Fisica Nucleare - INFN in the years 1999-2000, working on the ATLAS project developed at CERN in Geneva. In particular, his activity dealt with the cooling system of the pixel

detector.

He gave classes at İstanbul Teknik Üniversitesi - ITU, İstanbul, Turchia during the spring semester of the academic year 2009/10 within the learning mobility actions foreseen by the Erasmus Teaching Staff programme (agreement N. ID11896 on 25.5.2009). The lectures addressed the following courses: - Undergraduate Students "Architecture": course "Environmental Control Studio" cod. MIM242: - Graduate Students "Architecture": course "Methods of Noise Control in Environmental Design" cod. CKY51

He was visiting professor at Al Manar University di Tripoli (MUT) in Lebanon, where on April 2017 he taught a short course on the topic "Energy Efficiency and Energy Planning" (ELEC-474 Unit Course) for the B.Sc. students in Industrial Engineering and in Civil Engineering. The appointment was extended to the 2017/18 academic year in the form of adjunct professor.

Other professional activities

Corrado Schenone is co-author of the Italian patent: 'Dissipative silencer for ducts' PATENT N. 0000255798, patent granted in date 28th July 2005
Co-founder of the start-up company of the University of Genoa "*Ingenia srl*"
Corrado Schenone is co-author of the Italian patent: 'Equipment for acoustic measurements in remote positions', patent submitted for approval (n. 102017000077221) in date 10th July 2017