

# CURRICULUM VITAE

**Carlo Gualtieri, MSc, PhD, PE, Senior Lecturer**  
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## PERSONAL DATA

Citizenship                      Italian

## EDUCATION

*Bachelor* in Civil Engineering, major Hydraulic at University of Napoli, Italy

*PhD* in Environmental Engineering at Technical University of Milan, Italy

*Master* of Science in Environmental Engineering at University of Napoli

## MAIN TEACHING AND RESEARCH EXPERIENCES

*Lecturer* of Solid Waste Management at the University of Urbino

*Lecturer* of Hydraulics at the University of Salerno

*Senior Lecturer* of Environmental Hydraulics at the University of Napoli Federico II

*Visiting Scholar* at the Department of Civil Engineering of The University of Queensland (Australia) in 2003, 2006 and 2008

*Guest Lecturer* of Environmental Fluid Mechanics at the Technical University of Eindhoven in 2012

## SCIENTIFIC PUBLICATIONS

More than 120 scientific publications in the following areas:

- Environmental hydraulics;
- Gas-transfer process at free surfaces;
- Application of CFD methods to the Environmental Hydraulics;
- Water quality modeling in rivers and lakes for conventional and toxics contaminants;
- Air entrainment at hydraulic structures and in hydraulic jumps;
- Turbulent transverse mixing;
- Hyporheic flows;
- CFD in contact tanks;
- Positive surges and turbulence in unsteady flows.
- **Co-Editor** of the book *Fluid Mechanics of Environmental Interfaces*, pp.332, Taylor&Francis, Leiden, The Netherlands, 2008 (ISBN 978-0415-44669-3)
- **Co-Editor** of the book *Advances in Environmental Fluid Mechanics*, pp.348, World Scientific, Singapore, Singapore, 2010 (ISBN 978-981-4291-99-6)
- **Co-Editor** of the book *Fluid Mechanics of Environmental Interfaces*, 2<sup>nd</sup> Edition, pp.498, CRC Press/Balkema, Leiden, The Netherlands, 2012 (ISBN 978-0-415-62156-4)

## MEMBERSHIPS AND OTHER ACTIVITIES

- **Member** of the *Editorial Board* of *Environmental Modelling and Software* (since 2006), published by *Elsevier* (ISSN 1364-8152);
- **Member** of the *Editorial Board* of *Environmental Fluid Mechanics* (since 2008), published by

*Springer* (ISSN 1567–7419);

- **2012 Outstanding Reviewer** for the *Journal of Environmental Engineering (JEE)* (I.F. 1.399 in 2012) of the *American Society of Civil Engineers (ASCE)* (ISSN 0733–9372);
- **Book Reviewer** for *CRC Press – Balkema*;
- **Reviewer** for more than 20 ISI Journals (*Environmental Science and Technology, Water Research, Environmental Modelling and Software, Water Resources Research, Journal of Environmental Management, Hydrological Processes, Advances in Water Resources, Ecological Modelling, Environmental Fluid Mechanics, Journal of Hydro-environment research, Theoretical and Applied Climatology, Water, Air & Soil Pollution, Experiments in Fluids, Journal of Environmental Engineering, Journal of Hydraulic Engineering, Journal of Hydraulic Research, Journal of Turbulence, Acta Mechanica Sinica, Journal of Coastal Research, Proceedings of the Institution of Civil Engineers – Water Management, Water Quality Research Journal of Canada*);
- **Co-organizer** of the session *Physics and modelling of transport and transformation processes at the environmental interfaces* within the Conference *iEMSs 2004 - Complexity and Integrated Resources Management* organized by the *International Environmental Modeling Software Society (IEMSS)*;
- **Co-organizer** of the session *Environmental fluid mechanics* within the Conference *iEMSs 2006* organized by the *International Environmental Modeling Software Society (IEMSS)*;
- **Co-organizer** of the session *Environmental fluid mechanics* within the Conference *iEMSs 2008 - Integrating Sciences and Information Technology for Environmental Assessment and Decision Making* organized by the *International Environmental Modeling Software Society (IEMSS)*;
- **Co-organizer** of the session *Environmental fluid mechanics: Theoretical, Numerical and Experimental Approaches* within the Conference *iEMSs 2010* organized by the *International Environmental Modeling Software Society (IEMSS)*;
- **Associate Editor** for the Theme 5 *Environmental Hydraulics and Hydrology* within the XXXIV IAHR Congress (*IAHR 2011*) organized by the *International Association for Hydro-Environmental Engineering and Research (IAHR)*;
- **Chair** of the Session *Hydraulic Structures and Machinery* within the XXXIV IAHR Congress (*IAHR 2011*), organized by the *International Association for Hydro-Environmental Engineering and Research (IAHR)*;
- **Co-organizer** of the session *Environmental fluid mechanics: Theoretical, Numerical and Experimental Approaches* within the Conference *iEMSs 2012* organized by the *International Environmental Modeling Software Society (IEMSS)*;
- **Expert** for the review of Research Projects funded by the European Union within *Black Sea ERA.NET 2011*;
- **Expert** for the review of Research Projects funded by the *Ministry of Education and Science of the Russian Federation* within the *Open grant competition of the Government of the Russian Federation designed to support scientific research projects implemented under the supervision of leading scientists at Russian institutions of higher learning* (2011);
- **Expert** for the review of Research Projects funded by the (FCT) *Fundação para a Ciência e a Tecnologia* (Portugal) (2012);
- **Member** of the *Management Committee* of the *COST ACTION TU0902* (2009-2013) *Integrated assessment technologies to support the sustainable development of urban areas*;
- **Co-organizer** of the session *Environmental fluid mechanics: Theoretical, Numerical and Experimental Approaches* within the Conference *iEMSs 2014* organized by the *International Environmental Modeling Software Society (IEMSS)*.