Resume of
Giorgio Bellotti

Full professor of Hydrology, Hydraulic and Maritime Constructions since 01/11/2020
Roma Tre University
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Personal information
- Family name: Bellotti
- First name: Giorgio
- Date of birth: 30/01/1973
- Place of birth: Milano (Italy)
- Nationality: Italian

Education
- Doctor of research (PhD), Hydraulic Engineering, University of Naples "Federico II", 2002. Thesis: "Shoreline boundary conditions for water wave models".
- Laurea, Civil Engineering, University of Rome "La Sapienza", 1997. Thesis: "Application and development of spectral models for wave generation and propagation"
- Certified civil engineer since 14/06/1999 (registration number 20800-Rome, Italy).

Academic positions
- 2020 - to date: Full professor of Hydrology, Hydraulic and Maritime Constructions, Roma Tre University
- 2014 - 2020: Associate professor of Hydrology, Hydraulic and Maritime Constructions, Roma Tre University
- 2006 - 2014: Assistant professor of Hydrology, Hydraulic and Maritime Constructions, Roma Tre University
- 2002 - 2006: Post-doc researcher, Rome Tre University
- 1998 - 2001: PhD student in Hydraulic Engineering, University of Naples "Federico II"/University of Rome "La Sapienza".

Academic/scientific tasks
- 1/5/2019 - to date: representative of the Department in the Network of the Copernicus Academy
- 1/10/2016 - 30/10/2022: Director of Civil Engineering courses, Roma Tre University
- 8/3/2022 - 30/10/2023: responsible of teaching development at the new university branch dedicated to ocean engineering
- 11/06/2015 - 10/09/2016: member of the Scientific committee of the Italian Group of Hydraulics

- 21/07/2014 - 1/10/2016: member of the working group on the quality of the research of the Department of Engineering, Roma Tre University.

Coordination of Research and Consultancy projects
- Scientific coordinator of the project funded by Technip Energies on the development of the Ras Al-khair masterplan. Funding: 268.640 €, 2023.
- Scientific co-coordinator of the project funded by ISPRA (Istituto Superiore per la Protezione e la Ricerca Ambientale) on Integrated Monitoring and Assessment Programme (IMAP). Funding: 85.000 €, 2023.
- Scientific co-coordinator of the project funded by ISPRA (Istituto Superiore per la Protezione e la Ricerca Ambientale) on hydrologic and marine data management (Part II). Funding: 50.000 €, 2022.
- Scientific coordinator of the project funded by Webuild S.p.A, Fincosit S.rl.l., Fincantieri Infrastructure Opere Marittime S.p.A., Società Italiana Dragaggi S.p.a. for the optimization of the new Genova harbour caisson breakwater. Funding: 33.100 €, 2022.
- Scientific coordinator of the project funded by ISPRA (Istituto Superiore per la Protezione e la Ricerca Ambientale) on the evaluation of acquaculture feasibility in the southern Thyrrenian Sea, funding: 18.000 €, 2021.
- Co-coordinator of the project funded by ISPRA (Istituto Superiore per la Protezione e la Ricerca Ambientale) on hydrologic and marine data management (Part I), funding: 80.000 €, 2020.
- Scientific coordinator of the project funded by ISPRA (Istituto Superiore per la Protezione e la Ricerca Ambientale) on "Integrated Monitoring and Assessment Programme of the Mediterranean Sea and Coast and Related Assessment criteria (IMAP)" for the evaluation of environmental impact of coastal and harbour structures. Funding: 45.000 €, 2019.
- Scientific coordinator: "Forces on (flood)walls and buildings by wave overtopping" [2012-2013, funded by EU, 7th framework programme integrating activity: Hydralab IV]
- Coordinator of one research unit in the EU project "Mermaid: Innovative Multi-purpose offshore platforms: planning, design and operation", funding 5.5 M€ (total project), 133k€ (for the research unit) [2012-2015, funded by EU].
- Coordinator of one research unit: "Submarine Multidisciplinary Observatory", funding 172.000 € [2010-2014, Funded by Italian Government].
- Scientific coordinator of the project "Development of a numerical model for the spillway of the Montedoglio dam", funding: 15,000 €, [2014, funded by Ente Acque Umbre-Toscane]
- Scientific coordinator of the project "Numerical model to investigate the hydraulic behavior of the Gated Spillway of the Grand Ethiopian Renaissance Dam", funding: 47,400 €, [2013-2014, funded by Salini Costruttori S.p.A. Ethiopia Branch].
- Scientific coordinator: "Development of a numerical model for the interaction of waves and a floating body for the conversion of the wave energy", funding € 30.000 [2009-2010, Funded by 40South Energy Srl].
- Scientific coordinator: "High accuracy wave hindcasting in the Mediterranean Sea", funding 100,000 PC hours on clusters [2010, funded by CASPUR, Italy]

- Scientific coordinator of the research project "Real time forecasting of wave overtopping at the breakwater of the harbour of Civitavecchia", funding: 20,700 € [funded by DICEA-Università Sapienza].

Participation to research projects (only EU projects listed)
- FP7-PEOPLE-2009-IRSES: "Sim.COAST-Numerical Simulation Tools for Protection of Coasts against Flooding and Erosion".
- FP5, EVK3-CT-2001-00058: "CLASH-Crest Level Assessment of Coastal Structures by full scale monitoring, neural network prediction and Hazard analysis on permissible wave overtopping".
- FP5, EVK3-CT-2000-00041: "DELOS-Environmental Design of Low Crested Coastal Defence Structures".

Editorial activities for scientific journals:
- Associate editor - Coastal Engineering, 1/2024 - to date
- Associate editor - Italian Journal of Engineering Geology and Environment, 5/2017 - to date
- Member of the Editorial Board - Journal of marine science and engineering, 7/2019 - to date
- Member of the Editorial Board - Coastal Engineering, 11/2017-12/2023
- Associate editor - The Open Ocean Engineering Journal, 09/2012-08/2015
- Member of the Editorial Board - The Open Ocean Engineering Journal, 12/2007-08/2015
- Member of the Editorial Board - Dataset Papers in Science, Oceanography, 08/2012-07/2017
- Member of the Editorial Board - Journal of Engineering, 08/2012-28/05/2017
- Nominated ASCE 2015 Outstanding Reviewer by the Journal of Waterway, Port, Coastal and Ocean Engineering
- Referee for:
  - Journal of Fluid Mechanics
  - Journal of Geophysical Research
  - Proceedings of the Royal Society A
  - Coastal Engineering
  - Ocean Engineering
  - Journal of Waterway, Port, Coastal and Ocean Engineering-ASCE
  - Renewable Energy
  - International Journal for numerical methods in fluids
  - European Journal of Mechanics - B/Fluids
  - International Journal of heat and mass transfer
  - The Open Ocean Engineering Journal
  - Ocean Dynamics
  - Applied Ocean Research
  - Advances in Water Resources
  - Journal of Marine Research
  - Journal of Engineering for the Maritime Environment

- ○ Journal of Computational and Applied Mathematics
- ○ Journal of Ocean Engineering and Marine Energy
- ○ Landslides
- ○ Journal of Marine Science and Engineering
- ○ Studi Costieri
- ○ Earth Surface Processes and Landforms.

<u>Organization/roles in scientific conferences</u>
- ● Conference COASTLAB 2012 (Ghent, Belgio), 17/9/2012-20/9/2012
  - ○ Member of the scientific international committee
  - ○ Keynote lecturer at the Master Class "Numerical modeling of tsunami generation and propagation"
  - ○ Chairman of the session "Numerical modeling of wave propagation" of the Master Class
  - ○ Chairman of the session "Structures-3" of the general conference.
- ● International Conference on Coastal Engineering ICCE 2012 (Santander, Spagna), 1/7/2012-7/7/2012
  - ○ Chairman of the session "Breakwaters".
- ● Conference Computing and Control for the Water Industry-CCWI 2013 (Perugia) 2/9/2013-4/9/2013
  - ○ Member of the scientific national committee
  - ○ Chairman of the session MA1-3
- ● Conference SCACR 2015-International Short Course and Conference on Applied Coastal Research (Firenze)
  - ○ Member of the scientific national committee
- ● GII-Marchi Lecture 2016, Napoli, Italy
  - ○ Co-organizer
  - ○ Chairman of the scientific session
- ● Conference SCACR 2017-International Short Course and Conference on Applied Coastal Research, Santander, Spain, 3-6/10/2017
  - ○ Member of the scientific committee
  - ○ Chairman of one session
- ● Conference Coastlab 2018, Santander 22-26/5/2018
  - ○ Member of the scientific committee
  - ○ Chairman of the session "Coastal and ocean structures, breakwaters, revetments"
- ● Italian PIANC days 2018-AIOM, 12-13/10/2018, Lecce:
  - ○ Member of the scientific committee
- ● AIOM 2019 Conference, 15-16/11/2019, Firenze.
  - ○ Chairman of the session "Ingegneria marittima-2"
- ● Coastal Structures 2019, 1-4 october 2019, Hannover.
  - ○ Member of the scientific committee
  - ○ Chairman of the session "Wave-structure interactions, loading, response"
- ● virtual International Conference on Coastal Engineering ICCE 2020 (vICCE):
  - ○ Member of the local organizing committee

- International Conference on Coastal Engineering ICCE 2022, Sydney:
  - Chairman of one scientific session
- Conference Coastlab 2024, Delft 13-16/5/2024
  - Member of the scientific committee
- 14th International Conference on Hydrodynamics September 2024, Roma:
  - Member of the national scientific committee
- International Conference on Coastal Engineering ICCE 2024, Roma:
  - Coordinator of the Local Organizing Committee

Lectures and seminars
- Research seminar "Harbour resonance: field measurements and numerical modelling", 18/10/2016, Universidad Catolica de la Santisima Concepcion (Concepcion, Cile)
- Research seminar "New perspectives in tsunami early warning systems. Improvements by measuring hydroacoustic waves", 20/10/2016, Universidad Catolica de la Santisima Concepcion (Concepcion, Cile)
- Keynote lecture at SIOP-VII Seminario Internacional de Ingenieria y Operacion Portuaria, San Antonio, Cile, entitled "Harbour resonance under long bound waves attack", 27/10/2016
- Research seminar "About some uncertainties in the modelling of wave overtopping over coastal structures", The University of Nottingham (Nottingham, UK), 21/5/2014.
- Keynote lecture, Master class of the conference COASTLAB 2012 (Ghent, Belgio), 17/9/2012: "Numerical modeling of tsunami generation and propagation".
- Junior Enrico Marchi Lecture "Tsunamis: can engineering research mitigate the risk?", Rovigo, Accademia dei Concordi, 11/3/2011.
- Research seminar: "Risk mitigation for landslide generated tsunamis", The University of Nottingham (Nottingham UK),17/6/2011.
- Research seminar: "Experimental and numerical modelling of tsunamis generated by landslides", University College Dublin (Dublino, Irlanda), 13/7/2011.

Patents
Inventor of the "Cellular caisson breakwater with a novel device for the wave absorption and the wave energy conversion". Patent n. 0001424999 (Ministero dello Sviluppo Economico, Direzione generale per la lotta alla contraffazione-Ufficio Italiano Brevetti e Marchi). Num. application 000389, 2014, classifica E02B9 08.

Activities for PhD
- Member of the board of professors of the PhD school in Civil Engineering, Roma Tre University, since 11/2010
- Member of the board of professors of the PhD school in Earth remote sensing (Dottorato Nazionale in Osservazione della Terra), since 06/2022. National PhD led by SAPIENZA Rome University.
- Tutor/co-tutor of the PhDs:
  - Claudia Cecioni
  - Francesca Montagna

- ○ Alessandro Romano
- ○ Ali Abdolali (this has been awarded as the best Italian PhD thesis of 2015 by the GII-Italian Group of Hydraulics)
- ○ Saghy Saeidtehrani
- ○ Serena Geraldini
- ○ Stefano De Finis
- ○ Verdiana Iorio
- ○ Edoardo Zavani
- President of the examination committee for 7 PhD students, University SAPIENZA, Rome (IT), 2022.
- Member of the examination committee for one PhD student, University of Cantabria, Santander (ES), 2021.
- Member of the examination committee for one PhD student, University of Ghent, Ghent (BE), 2021.
- Member of the examination committee for one PhD student, Universidad Politécnica de Valencia (ES), 2021.
- Member of the examination committee for 13 PhD students, Università Politecnica delle Marche, Ancona, Italy, 2018.
- Member of the examination committee for one PhD student, Universidad Politécnica de Valencia (ES), 2017
- Member of the examination committee for two PhD students, Instituto interuniversitario de Investigación del Sistema Tierra en Andalucía, Universidad de Granada (Spain), 2016
- Member of the examination committee for one PhD student, University of Nottingham, Nottingham (UK), 2015
- Member of the examination committee for the PhD in Environmental Engineering, Università di Roma Sapienza, 2015.
- Member of the examination committee for one PhD student, University of Cantabria, Santander (ES), 2015
- Reviewer of one PhD thesis, The University of Western Australia, School of Environmental systems Engineering, 2014.
- Member of the examination committee for the PhD in Environmental Engineering, Università di Roma Tor Vergata, 2012.
- Member of the examination committee for the PhD in Ingegneria Modellistica Fisico-Matematica, Università di L'Aquila, 2008.

Research activities abroad
- 10/10/2016-31/10/2016: visiting professor, Universidad Catolica de la Santisima Concepcion (Concepcion, Cile) and CIGIDEN, Centro Nacional de Investigacion para la Gestion Integrada de Desastres Naturales (Cile).
- 31/5/2011-16/08/2011: visiting researcher, Department of Civil Engineering, The University of Nottingham (Nottingham, UK).
- 06/2000: visiting researcher, Center for Applied Coastal Research, University of Delaware (USA).
- 10/1994-01/1995: Erasmus student, Strathclyde University (Glasgow, UK).

<u>Teaching</u>

Teaching at the Università degli Studi Roma TRE, for the Degree in Civil Engineering:

- 2023-2024 Metodi numerici e statistici per l'Ingegneria Civile, 6 CFU
- 2023-2024 Progettazione di porti e opere marittime, 6 CFU
- 2023-2024 Strutture marittime 3 di 12 CFU
- 2023-2024 Ocean Dynamics 3 di 6 CFU
- 2022-2023 Metodi numerici e statistici per l'Ingegneria Civile, 6 CFU
- 2022-2023 Progettazione di porti e opere marittime, 6 CFU
- 2022-2023 Strutture marittime 3 di 12 CFU
- 2022-2023 Ocean Dynamics 3 di 6 CFU
- 2021-2022 Metodi numerici e statistici per l'Ingegneria Civile, 6 CFU
- 2021-2022 Progettazione di porti e opere marittime, 6 CFU
- 2021-2022 Ocean Dynamics 3 di 6 CFU
- 2020-2021 Metodi numerici e statistici per l'Ingegneria Civile, 6 CFU
- 2020-2021 Progettazione di porti e opere marittime, 6 CFU
- 2019-2020 Metodi numerici e statistici per l'Ingegneria Civile, 6 CFU
- 2019-2020 Progettazione di porti e opere marittime, 6 CFU
- 2018-2019 Metodi numerici e statistici per l'Ingegneria Civile, 6 CFU
- 2018-2019 Progettazione di porti e opere marittime, 6 CFU
- 2017-2018 Progettazione di porti e opere marittime, 6 CFU
- 2017-2018 Metodi numerici e statistici per l'Ingegneria Civile, 6 CFU
- 2017-2018 Impianti di depurazione
- 2016-2017 Progettazione di porti e opere marittime, 6 CFU
- 2015-2016 Progettazione di porti e opere marittime, 6 CFU
- 2014-2015 Progettazione di porti e opere marittime, 6 CFU
- 2013-2014 Progettazione di porti e opere marittime, 6 CFU
- 2012-2013 Progettazione di porti e opere marittime, 6 CFU
- 2012-2013 Ingegneria Costiera, 9 CFU
- 2011-2012 Progettazione di porti e opere marittime, 6 CFU
- 2010-2011 Progettazione di porti e opere marittime (I e II mod.), 6 CFU
- 2010-2011 Protezione dei litorali (I mod.), 3 CFU
- 2009-2010 Progettazione di porti e opere marittime (I e II mod.), 6 CFU
- 2009-2010 Protezione dei litorali (I mod.), 3 CFU
- 2008-2009 Progettazione di porti e opere marittime (I e II mod.), 6 CFU
- 2008-2009 Protezione dei litorali (I mod.), 3 CFU
- 2007-2008 Modelli Meteomarini, 4 CFU
- 2006-2007 Modelli Meteomarini, 4 CFU
- 2005-2006 Modelli Meteomarini, 4 CFU
- 2004-2005 Modelli Meteomarini, 4 CFU

Class for the PhD course in Civil Engineering at the Università di Roma Tre:

- 2016-2017 Computational Statistics and numerical methods for research problems in Civil Engineering, 6 CFU

- 2015-2016 Numerical solution of research problems in Civil Engineering, 6 CFU
- 2014-2015 Numerical solution of research problems in Civil Engineering using Comsol Multiphysics and Matlab, 6 CFU

Publications

Author of 152 scientific publications
- 61 on refereed journals
- 77 on refereed conference proceedings
- 1 book chapter
- 12 abstract at conferences
- 1 journal discussion.

Journal papers

1. Bellotti G. & M. Brocchini (2001). On the shoreline boundary conditions for boussinesq-type models. International Journal for Numerical Methods in Fluids, Vol. 37(4), pp. 479-500.
2. Beltrami G.M., G. Bellotti, P. De Girolamo & P. Sammarco (2001). Treatment of wave-breaking and total absorption in a mild-slope equation FEM model. Journal of Waterway, Port, Coastal and Ocean Engineering-ASCE, Vol. 127(5), pp. 263-271.
3. Panizzo A., G. Bellotti & P. De Girolamo (2002). Application of wavelet transform analysis to landslide generated waves. Coastal Engineering, Vol. 44(4), pp. 321-338.
4. Bellotti G. & M. Brocchini (2002). On using boussinesq-type equations near the shoreline: a note of caution. Ocean Engineering, Vol. 29(12),pp. 1569-1575.
5. Brocchini M. & G. Bellotti (2002). Integral flow properties of the swash zone and averaging. Part 2. Shoreline boundary conditions for wave-averaged models. Journal of Fluid Mechanics, Vol. 458, pp. 269-281.
6. Brocchini M., I. Svendsen, R. Prasaad & G. Bellotti (2002). A comparison of two different types of shoreline boundary conditions. Computer Methods in Applied Mechanics and Engineering, Vol. 191 (39-40), pp. 4575-4596.
7. Bellotti G., R. Archetti & M. Brocchini (2003). Experimental validation and characterization of mean swash zone boundary conditions. Journal of Geophysical Research-Oceans, Vol. 108 (C8), 3250, 10.1029/2002JC001510.
8. Bellotti G., G. Beltrami & P. De Girolamo (2003). Internal generation of waves in 2D fully-elliptic mild-slope equation FEM models. Coastal Engineering, Vol. 49 (1-2), pp. 71-81.
9. Bellotti G. (2004). A simplified model of rip currents systems around discontinuous submerged breakwaters. Coastal Engineering, Vol. 51 (4), pp. 323-335.
10. Briganti R., R.E. Musumeci, G. Bellotti, M. Brocchini & E. Foti (2004). Boussinesq modeling of breaking waves: Description of turbulence. Journal of Geophysical Research-Oceans, Vol. 109, C07015, doi:10.1029/2003JC002065.
11. Briganti R., G. Bellotti, L. Franco, J. De Rouck & J. Geeraerts (2005). Field measurements of wave overtopping at the rubble mound breakwater of Rome-Ostia yacht harbour. Coastal Engineering, Vol. 52 (12), pp. 1153-1172.
12. Bellotti G. & M. Brocchini (2005). Swash zone boundary conditions for long wave models Coastal Engineering, Vol. 52 (10-11), pp. 971-976.

13. Panizzo A., P. Sammarco, G. Bellotti & P. De Girolamo (2006). Eof analysis of complex response of Venice mobile gates. Journal of Waterway, Port, Coastal and Ocean Engineering-ASCE, Vol. 132 (3), pp. 172-179.
14. Bellotti G. (2007). Transient response of harbours to long waves under resonance conditions. Coastal Engineering, Vol. 54 (9), pp. 680-693.
15. Bellotti G., Cecioni C., P. De Girolamo (2008). Simulation of small-amplitude frequency-dispersive transient waves by means of the mild-slope equation. Coastal Engineering, vol. 55 (6), pp. 447-458.
16. Franco L., Geeraerts J., Briganti R., Willems M., Bellotti G., J. De Rouck (2009). Prototype and small-scale model tests of wave overtopping at shallow rubble-mound breakwaters: the Ostia-Rome yacht harbour case. Coastal Engineering, vol. 56, pp. 154-165.
17. Di Risio M., De Girolamo P., Bellotti G., Panizzo A., Aristodemo F., Molfetta M., A.F.Petrillo (2009). Landslide generated tsunamis runup at the coast of a conical island: new physical model experiments. Journal of Geophysical Research-Oceans, 114, C01009.
18. Di Risio M., Bellotti G., Panizzo A., P. De Girolamo (2009). Three-dimensional experiments on landslide generated waves at a sloping coast. Coastal Engineering, vol. 56, pp. 659-671.
19. Bellotti G., M. Di Risio, and P. De Girolamo (2009). Feasibility of Tsunami Early Warning Systems for small volcanic islands. Natural Hazards and Earth System Sciences, vol. 9, pp. 1911-1919.
20. Cecioni C., G. Bellotti (2010). Modeling tsunamis generated by submerged landslides using depth integrated equations. Applied Ocean Research, 32, pp. 343-350.
21. Cecioni C., G. Bellotti (2010). Inclusion of tsunamis generation into a depth integrated wave propagation model. Natural Hazards and Earth System Sciences, vol. 10, pp. 2259-2268.
22. Montagna F, Bellotti G., Di Risio M. (2011). 3D numerical modeling of landslide-generated tsunamis around a conical island. Natural Hazards, vol. 58, p. 591-608.
23. Bellotti G., Franco L. (2011). Measurement of long waves at the harbor of Marina di Carrara, Italy. Ocean Dynamics, vol. 61, p. 2051-2059.
24. Cecioni C., Romano A., Bellotti G., Di Risio M., De Girolamo P. (2011). Real-time inversion of tsunamis generated by landslides. Natural Hazards and Earth System Sciences, vol. 11, p. 2511-2520.
25. Inghilesi R., Catini F., Bellotti G, Franco L., Orasi A., Corsini S. (2012). Implementation and validation of a coastal forecasting system for wind waves in the Mediterranean Sea. Natural Hazards and Earth System Sciences, vol. 12, p. 485-494.
26. Bellotti G., Briganti R., Beltrami G.M., Franco L. (2012). Modal analysis of semi-enclosed basins. Coastal Engineering, vol. 64, p. 16-25.
27. Bellotti G., Briganti R., Beltrami G.M. (2012). The combined role of bay and shelf modes in tsunamis amplification along the coast. Journal of Geophysical Research-Oceans, 117, C08027, doi:10.1029/2012JC008061.
28. Ali M., Fiori A., Bellotti G. (2013). Analysis of the nonlinear storage–discharge relation for hillslopes through 2D numerical modelling. Hydrological Processes, vol. 27(18), pp. 2683–2690 (DOI: 10.1002/hyp.9397).

29. Sammarco P., Cecioni C., Bellotti G., Abdolali A. (2013). Depth-integrated equation for large-scale modelling of low-frequency hydroacoustic waves. Journal of Fluid Mechanics, 722, R6.

30. Romano A., Bellotti G., Di Risio M. (2013). Wavenumber–frequency analysis of the landslide-generated tsunamis at a conical island. Coastal Engineering, vol. 81, pp. 32-43.

31. Renzi E., Abdolali A., Bellotti G., Dias F. (2014). Wave-power absorption from a finite array of Oscillating Wave Surge. Renewable Energy, vol. 63, pp. 55-68.

32. Romano A., Guerrini M., Bellotti G., Lie-hong Ju (2014). Laboratory generation of solitary waves: An inversion technique to improve available methods. China Ocean Engineering, Vol. 28 (1), pp 57-66.

33. Guerrini M., Bellotti G., Fan Y., Franco L. (2014). Numerical modelling of long waves amplification at Marina di Carrara Harbour. Applied Ocan Research, Vol. 48, pp. 322-330.

34. Abdolali A., Kirby JT., Bellotti G. (2015). Depth-integrated equation for hydro-acoustic waves with bottom damping. Journal of Fluid Mechanics, Vol. 766, R1, pp. R1-1 - R1-13.

35. Abdolali A., Cecioni C., Bellotti G., Kirby JT. (2015). Hydro-acoustic and tsunami waves generated by the 2012 Haida Gwaii earthquake: Modeling and in situ measurements. Journal of Geophysical Research: Oceans, 10.1002/2014JC010385.

36. Cecioni C., A. Abdolali, G. Bellotti, and P. Sammarco (2014). Large-scale numerical modeling of hydro-acoustic waves generated by tsunamigenic earthquakes. Nat. Hazards Earth Syst. Sci. Discuss., 2, 4629-4658, 2014.

37. Zanuttigh B., Angelelli E., Bellotti G., Romano A., Krontira Y., Troianos D., Suffredini R., Franceschi G., Cantù M., Airoldi L., Zagonari F., Taramelli A., Filipponi F., Jimenez C., Evriviadou M., Broszeit S. (2015). Boosting Blue Growth in a Mild Sea: Analysis of the Synergies Produced by a Multi-Purpose Offshore Installation in the Northern Adriatic, Italy, Sustainability, 7(6), pp. 6804-6853; doi:10.3390/su7066804.

38. Michele S., P. Sammarco, M. d'Errico, E. Renzi, A. Abdolali, G. Bellotti, F. Dias (2015). Flap gate farm: From Venice lagoon defense to resonating wave energy production. Part 2: Synchronous response to incident waves in open sea, Applied Ocean Research, vol. 52, pp. 43-61.

39. Romano A., Bellotti G., Briganti R., Franco L. (2015). Uncertainties in the physical modelling of the wave overtopping over a rubble mound breakwater: the role of the seeding number and of the test duration. Coastal Engineering, vol. 103, pp. 15-21.

40. Romano A., M. Di Risio, G. Bellotti, M. G. Molfetta, L. Damiani, P. De Girolamo (2016). Tsunamis generated by landslides at the coast of conical islands: experimental benchmark dataset for mathematical model validation. Landslides, pp. 1-15.

41. Cecioni, C., Bellotti, G. (2016). Boundary conditions for modeling scattered wave field around floating bodies in elliptic wave models, Applied Ocean Research, vol. 59, pp. 492-497.

42. De Girolamo, P., Di Risio, M., Beltrami, G.M., Bellotti, G., Pasquali, D. (2017). The use of wave forecasts for maritime activities safety assessment, Applied Ocean Research 62, pp. 18-26.

43. Cortés, P., Catalán, P.A., Aránguiz, R., Bellotti, G. (2017). Tsunami and shelf resonance on the northern Chile coast, Journal of Geophysical Research: Oceans 122(9), pp. 7364-7379.

44. Bellotti, G., Romano, A. (2017). Wavenumber-frequency analysis of landslide-generated tsunamis at a conical island. Part II: EOF and modal analysis, Coastal Engineering 128, pp. 84-91.
45. Cecioni, C., Bellotti, G. (2018). On the Resonant Behavior of a Weakly Compressible Water Layer During Tsunamigenic Earthquakes. Pure and Applied Geophysics 175(4), pp. 1355-136.
46. Cecioni, C., Romano, A., Bellotti, G., De Girolamo, P. (2018) Hydroacoustic waves measured during the 2012 Negros-Cebu earthquake. Journal of Waterway, Port, Coastal and Ocean Engineering, 144(4),06018004.
47. Cecioni, C., Romano, A., Bellotti, G., De Girolamo, P. (2019). 3D numerical simulation of hydro-acoustic waves registered during the 2012 negros-cebu earthquake. Geosciences (Switzerland) 9(7), 300.
48. De Girolamo, P., Crespi, M., Romano, A., Mazzoni, Di Risio, M., Pasquali, D., Bellotti, G., Castellino, Sammarco, P. (2019). Estimation of wave characteristics based on global navigation satellite system data installed on board sailboats. Sensors (Switzerland) 19(10),2295.
49. Aranguiz, R., Catalán, P.A., Cecioni, C., Bellotti, G., Henriquez, P., González, J. (2019). Tsunami Resonance and Spatial Pattern of Natural Oscillation Modes With Multiple Resonators, Journal of Geophysical Research: Oceans 124(11), pp. 7797-7816.
50. De Finis, S., Romano, A., Bellotti, G. (2020). Numerical and laboratory analysis of post-overtopping wave impacts on a storm wall for a dike-promenade structure, Coastal Engineering 155,103598.
51. Bellotti, G. (2020). A modal decomposition method for the analysis of long waves amplification at coastal areas, Coastal Engineering, 157, 103632.
52. Romano, A., Lara, J. L., Barajas, G., Di Paolo, B., Bellotti, G., Di Risio, M., et al. (2020). Tsunamis generated by submerged landslides: numerical analysis of the near-field wave characteristics. Journal of Geophysical Research: Oceans, 125, e2020JC016157.
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