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## **Diego Vicinanza**

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<b>Degree</b>	Hydraulic Engineering
<b>Specialization</b>	Ph.D. in Coastal Engineering
<b>Position in Firm</b>	Associate Professor of Coastal Engineering, Università degli Studi della Campania "Luigi Vanvitelli", Department of Engineering, Italy

<b>Office address</b>	Via Roma n. 29 - 81031 – Aversa (Caserta), Italy
<b>E-mails</b>	<a href="mailto:diego.vicinanza@unicampania.it">diego.vicinanza@unicampania.it</a>
<b>Web page</b>	<a href="http://www.diii.unicampania.it/dipartimento/docenti/231-vicinanza-diego">http://www.diii.unicampania.it/dipartimento/docenti/231-vicinanza-diego</a> <a href="https://www.unimib.it/diego-vicinanza">https://www.unimib.it/diego-vicinanza</a>
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### **Education**

2017	National Scientific Qualification as Full Professor in Italian University in the sector Hydraulics, Hydrology, Hydraulic and Marine Constructions
2013	National Scientific Qualification as Associate Professor in Italian University in the sector Hydraulics, Hydrology, Hydraulic and Marine Constructions
1997	Ph.D. in Hydraulic Engineering, University of Naples "Federico II", Naples, Italy
1992	Graduate member of the Italian Institution of Civil Engineers.
1992	Degree in Civil Engineering- Hydraulic, University of Naples "Federico II", Italy
1984	High school degree at Liceo Scientifico "G. Mercalli", Naples (Italy).

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### **Professional employment**

2014 – to date	Associate Professor, Università degli Studi della Campania "Luigi Vanvitelli", Department of Engineering (Aversa, Italy).
2012 - 2013	Associate Professor, Aalborg University, Department of Civil Engineering (Aalborg, Denmark).
2005 - 2014	Professor (Aggregate), Second University of Naples, Department of Civil Engineering, Design, Building, Environment (Aversa, Italy).
1998 - 2005	Assistant Professor, Second University of Naples, Department of Civil Engineering (Aversa, Italy).
1997	Assistant Researcher, European research project MAST III.
1997	Assistant Researcher, CNR (National Council for Research).

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## Teaching

- 2017 – 2018 Official teacher for the course of COASTAL RISKS AND DYNAMICS for the degrees in Marine Science, Milano-Bicocca University, Milano, Italy.  
<http://www.marinesciences.unimib.it/current-students/all-courses/>
- 2000 - 2018 Official teacher for the course of COASTAL ENGINEERING, MARITIME HYDRAULICS AND MARITIME STRUCTURES for the degrees in Civil Engineering and in Environmental Engineering, Università degli Studi della Campania "Luigi Vanvitelli", Aversa, Italy.  
<http://www.ingegneria.unicampania.it/dipartimento/docenti/231-vicinanza-diego>
- 2012 - 2013 Official teacher for the course of COASTAL, OFFSHORE AND PORT ENGINEERING for the Master's Program in Structural and Civil Engineering, Aalborg University, Department of Civil Engineering, Aalborg, Denmark.
- 2010 Official teacher for the course of COASTAL STRUCTURES AND MORPHODYNAMICS for the Erasmus Mundus Masters Course in Coastal and Marine Engineering and Management, Università Politècnica de Catalunya, Barcellona, Spain.
- 2000 - 2011 Member of the Teachers Committee for Philosophical Doctor courses in Sciences and Engineering of the Sea, University of Naples "Federico II", Naples, Italy.
- 2013 – 2018 Member of the Teachers Committee for Philosophical Doctor courses in Environmental, Design and Innovation, Second University of Naples, Aversa, Italy.
- 2000 – 2018 Advisor/co-advisor of the following PhD students:  
Caterina Eramo (PhD, 2005), Stefania Di Ronza (PhD, 2006), Laura Giordano (PhD, 2006), Vincenzo Ferrante (PhD, 2008), Pasquale Contestabile (PhD, 2011), Claudio Iuppa (PhD, 2016), Stefania Naty (2017), Luigia Riefole (2018), Enrico Di Lauro (in progress)
- 2010 External Examiner Examination of Dimitris Stagonas for the Degree of PhD by research, University of Southampton.
- 2010 External Examiner Examination of Francesco Ciardulli, Gustavo Marini for the Degree of PhD by research, Università di Napoli "Federico II".
- 2012 External Examiner Examination of Brian Sellar for the Degree of PhD by research, University of Edinburgh.
- 2016 External Examiner Examination of Filippo Carlo Bossi, Shahvi Shervin, Marco Negri for the Degree of PhD by research, Politecnico di Milano.
- 2016 External Examiner Examination of Carlo Gerundo, Ilenia Del Vita, Manuela Esposito, Maria Russo Spina for the Degree of PhD by research, Università di Napoli "Federico II"
- 2018 External Examiner Examination of Maria Paola Dentici, Iolanda Nuzzo, Vincenzo Mazzarella, Marta Del Zoppo, Sara Durante, Diana Di Luccio for the Degree of PhD by research, Università di Napoli "Parthenope".

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## Research interests

Coastal Engineering; Maritime Structures; Wave Energy Converters; Coastal Morphodynamics; Laboratory and field measurements techniques and analysis.

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## Research Experience Record

Partner and Coordinator of 20 national and EU projects in the last 20 years.

Visiting Scientist/Professor at the following research centers/universities: HR Wallingford, Edinburgh University, FZK University of Hannover, Universitat Politècnica de Catalunya, Aalborg University, Centre for Ships and Ocean Structures of the Norwegian University of Science and Technology, Scripps Institution of Oceanography.

Scientific Association to the IAMC-CNR, Institute for Coastal Marine Environment - National Council for Research, Italy (2007-2013).

Scientific Association to the Stazione Zoologica Anton Dohrn, Naples, Italy (2016-2019).

Member of CoNISMa (Italian National Inter-University Consortium for Marine Sciences) and part of the Directive Committee and of the Administrative Council (2016-2019). <http://www.conisma.it/>

Author/Co-author of 169 papers (SCOPUS h-index 19, 1035 citations, 72 documents): 42 international journal papers with impact factor, 13 national journal papers, 69 papers on international conference proceedings, 27 papers on national conference proceedings, 13 technical reports, 1 PhD thesis, 2 book chapters, 2 curatele.

Reviewer for several international journals:

Advances in Civil Engineering, Advances in Mechanical Engineering, Applied Energy, Chemistry and Ecology, Climate, Coastal Engineering, Coastal Engineering Journal, Computers & Fluids, Energies, Energy Policy, Environment, Development and Sustainability, International Journal of Energy Research, International Journal of Green Energy, International Journal of Marine Energy, International Journal Of Offshore And Polar Engineering, International Journal of Sustainable Energy, Journal of Coastal Research, Journal of Engineering for the Maritime Environment, Journal of Fluids and Structures, Journal of Marine Science and Application, Journal of Ocean Engineering and Marine Energy, Journal of Renewable and Sustainable Energy, Journal of Waterway, Port, Coastal, and Ocean Engineering, Marine Geology, Natural Hazards and Earth System Sciences, Ocean Engineering, Ocean Modelling, Renewable Energy, Renewable & Sustainable Energy Reviews, Renewable Power Generation, Science of the Total Environment, Studi Costieri (in Italian), Sustainable Energy Technologies and Assessments, The Arabian Journal for Science and Engineering, The Scientific World Journal.

Member of the Editorial Board of Renewable Energy for the subject areas of "Ocean Energy and Offshore Wind" (ISSN 0960-1481) <http://www.journals.elsevier.com/renewable-energy/editorial-board/>

Member of the Editorial Board of Sustainability for the subject areas of "Energy Sustainability" (ISSN 2071-1050) [http://www.mdpi.com/journal/sustainability/sectioneditors/energy\\_sustainability](http://www.mdpi.com/journal/sustainability/sectioneditors/energy_sustainability)

Member of the Editorial Board of Journal of Marine Science and Engineering for the subject areas "Ocean Engineering" (ISSN 2077-1312) <http://www.mdpi.com/journal/jmse/editors#editorialboard>

Associate Editor of the International Marine Energy Journal (IMEJ)

<https://marineenergyjournal.org/imej/about/editorialTeam>

Guest Editor for the special issue of THE SCIENTIFIC WORLD JOURNAL titled "Marine Renewable Energies: Perspectives and Implications for Marine Ecosystems" <http://www.hindawi.com/journals/tswj/si/504690/>

Guest Editor for the special issue of SUSTAINABILITY titled "Wave Energy Converters" [http://www.mdpi.com/journal/sustainability/special\\_issues/Wave\\_Energy\\_Converters](http://www.mdpi.com/journal/sustainability/special_issues/Wave_Energy_Converters)

Guest Editor for the special issue of WATER titled "Coastal Vulnerability and Mitigation Strategies: From Monitoring to Applied Research" [http://www.mdpi.com/journal/water/special\\_issues/coastal\\_vulnerability](http://www.mdpi.com/journal/water/special_issues/coastal_vulnerability)

Reviewer for research proposals (Netherlands Organization for Scientific Research, Research Councils UK Energy Programme, Research Promotion Foundation of Cyprus, University of Padova, University of Catania, Valutazione Futuro in Ricerca, TransNational Access MaRINET2 project). Reviewer for the Italian Research Quality Evaluation (VQR 2011-14).

Member of the Technical Program Committee of ISOPE (International Society of Offshore and Polar Engineering) <http://www.isopec.org/>

Member of the Technical Committee of EWTEC (European Wave and Tidal Energy Conference) <http://www.ewtec.org/>

Coordinator of the Renewable Energies in Civil Engineering Research Group (RECERG) <http://www.dicdea.unina2.it/en/ricerca/64-uncategorised/327-energie-rinnovabili-nell-ingegneria-civile2>

## Research Projects

- May '17 – May '19: Expert for CoNISMa (Italian National Inter-University Consortium for Marine Sciences) on the EUROPE INTERREG project: LAND-SEA -Sustainability Of The Landsea System For EcotourismStrategies. <https://www.interregeurope.eu/land-sea>
- Giu.'14 – May'15: Scientific Coordinator of the MED Programme project founded by EU titled: "BLUENE - BLUe ENERgy for Mediterranean"  
<http://www.medmaritimeprojects.eu/section/bluene>
- Feb.'14 – Apr.'14: Partner of the EU 7<sup>th</sup> framework project "HYDRALAB IV" titled: "Scaling Effects in Wave Loading and Performance of a Breakwater-Integrated Oscillating Water Column Wave Energy Converter" at GWK Hannover (Germany).  
<http://hydralab.eu/research--results/ta-projects/project/17/>
- Jul.'13 – Aug.'13: Partner of the EU 7<sup>th</sup> framework project "HYDRALAB IV" titled: "Impact induced pressure distribution at the face of caisson breakwaters under oblique wave attacks: a novel approach" at Ocean Basin Laboratory Marintek, Trondheim, Norway. <http://hydralab.eu/research--results/ta-projects/project/39/>
- Jan.'12 – Dec.'16: Leader Research Unit Italian project RITMARE. Workpakage SP3\_WP4\_AZ3\_U003 "Coastal and Offshore Structures Models (partner CONISMA).  
<http://www.ritmare.it/>
- Jan.'13 – Dec.'14: Partner of the network of excellence between universities - Research Centres - Companies, POR Campania FSE 2007/2013, axis IV and axis V - POLIGRID project (smart grids with distributed polygeneration systems).  
<http://www.fse.regione.campania.it/index.cfm?m=1&s=6&i=1>
- May '12 – May '15: Coordinator of the EU 7<sup>th</sup> framework project Marie Curie Actions – People titled: "Environmentally Friendly Coastal Protection in a Changing Climate" (EnviCOP).  
<http://envicop.eu>  
[http://cordis.europa.eu/projects/rcn/102427\\_en.html](http://cordis.europa.eu/projects/rcn/102427_en.html)  
<http://www.2020-horizon.com/ENVICOP-Environmentally-Friendly-Coastal-Protection-in-a-Changing-Climate%28ENVICOP%29-s1763.html>
- Jan.'11 – Dec.'14: Associate Partners in an international research alliance supported by the Danish Council for Strategic Research titled: "Structural Design of Wave Energy Devices"  
<http://www.sdwed.civil.aau.dk/about/partners/>
- Jan.'09 – Jun.'10: Coordinator of Second University of Naples founded research project titled: "Wave Energy Converters in the framework of the Italian seas"  
<http://www.italywavenergy.it/>
- Feb.'09 – Feb.'12: Associate Partner of the EU 7<sup>th</sup> framework project – People programme "Wavetrain2: Initial Training Network for Wave Energy Research Professionals"
- Jul.'09 - Oct.'09: Coordinator of the EU 6<sup>th</sup> framework project "HYDRALAB III" titled: "SUSCO: Swash zone response Under grouping Storm COnditions" at l'Università Politècnica de Catalunya (Barcellona, Spain)  
<http://hydralab.eu/research--results/ta-projects/project/97/>
- Dec.'08 – Feb.'09: Partner of the EU 6<sup>th</sup> framework project "HYDRALAB III" titled: "ESDODDS: Experiments on Sediment Depth Of Disturbance for beaches under the influence of Drainage Systems" at GWK Hannover (Germany) <http://hydralab.eu/research--results/ta-projects/project/104/>

- Dec.'08 – Feb.'09: Partner of the EU 6<sup>th</sup> framework project "HYDRALAB III" titled: "Infiltration and ex-filtration on beach face" at GWK Hannover (Germany) <http://hydralab.eu/research--results/ta-projects/project/105/>
- Dec.'07 Visiting professor at University Politècnica de Catalunya, Maritime Engineering Laboratory (Barcelona, Spain). Spanish access program titled: "Large Scale Facility data comparison".
- Feb.'07 – Feb.'09: Coordinator for Node 4 - WP10 Alternatives Strategies of EU 6<sup>th</sup> framework project titled: "Science and Policy Integration for COastal Systems Assessment" (SPICOSA) <http://www.spicosa.eu/>
- Apr.'06 – Apr.'08: Coordinator for Activity 2.3 of National Research Council project VECTOR (task VULCOST) on monitoring and modelling of Salerno and Policastro coastline under extreme storm events <http://vector.conismamibi.it/>
- Jan.'06 - Mar.'06 Visiting professor at Aalborg University (Denmark) on EU 6<sup>th</sup> framework project titled: WAVESSG (Full-scale demonstration of robust and high-efficiency wave energy converter) [http://cordis.europa.eu/fetch?CALLER=FP6\\_PROJ&ACTION=D&DOC=1&CAT=PROJ&RCN=75084](http://cordis.europa.eu/fetch?CALLER=FP6_PROJ&ACTION=D&DOC=1&CAT=PROJ&RCN=75084)
- Jan.'03 – Dec.'04: Partner of the Italian research project Cofin. 2002 – Reactive pollutants transport between river flow and subsurface flow.
- Jan.'02 – Mar.'02: Partner of TMR (Training and Mobility Researcher) funded by EU titled: "Low crested submerged breakwaters". A 2 months research stage at GWK, University of Hannover (Germany). <http://www.fzk.uni-hannover.de/292.html?&L=1>
- Jan.'02 – Dec.'03: Partner of the Italian research project Cofin. 2001 – Analysis of transmission and circulation phenomena in presence of submerged breakwaters.
- Jan.'01 – Dec.'02: Partner of the Italian research project Cofin. 2000 – Evaluation and attenuation of solid transport impact on urban drainage systems and receiving water bodies.
- Jan.'00 – Dec.'05: Partner of the Italian research project titled: "Design of laboratory structure and equipment for the research on coastal hydrodynamics and geo- hydrodynamics" (P.O.ST.FLU.).
- Jan. '99 – Dec. '00: Partner of the Italian research project POP 1997 funded by EU and Regional Council on wave-jet interaction titled: "Research on coastal pollution processes nearby river mouths".
- Feb.'99 – Feb.'01: Partner of ALICE research project funded by EU titled: "Flow visualization using PIV systems", user group first member.
- Jan. 99' - Dec. '00: Partner of the Italian research project Cofin. 1998 – Risk analysis on beach protection.
- May '97 - Oct. '97: Grant from CNR (National Research Centre) at University of Edinburgh, Scotland, to develop a study titled: "Breaking wave kinematics in presence of vertical structures: PIV measurements".
- Jan. 97' - Dec. '98: Partner of the Italian research project Cofin. 1996 – Sea wave groups attack on continuous or isolated structures.
- Jan. '96 – Dec.'98: Partner of the EU MAST III (1996-1998) titled: "Probabilistic Design Tools for Vertical Breakwaters" (PROVERBS). [http://cordis.europa.eu/projects/rcn/31265\\_en.html](http://cordis.europa.eu/projects/rcn/31265_en.html)
- Oct.'94 - Dec.'95: Partner of the EU MAST II (1994-1996) titled: "Monolithical Coastal Structures" (MCS). [http://cordis.europa.eu/projects/rcn/5502\\_en.html](http://cordis.europa.eu/projects/rcn/5502_en.html)

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## Professional Experience

- May.'17-Nov.'19: Scientific Responsible on research contract founded by Stazione Zoologica Anton Dohrn di Napoli titled: Pilot Experiments Finalized at the "Environmental Restoration and Balneability of Bagnoli-Coroglio (Naples, Italy)
- Apr.'17 - Apr.'18: Scientific Responsible on consulting contract founded by University of Bologna. Sub-contract of H2020 BRIGAIID "Bridges the gaps for innovations in disaster resilience". <http://brigaid.eu/>
- Jul.'17 - Jul.'17: Member of the Commission for the award of the work of "Physical Modeling for the prolongation of the Salerno breakwater. Salerno Port Authority.
- Feb.'17 - Mar.'17: Member of the Commission for the award of the work of "dredging of the port of Naples with deposit of dredged materials on reclaimed land of the Levante dock. Authority Port System of Central Tyrrhenian Sea.
- Nov.'12 - Nov.'15: University Scientific Responsible on consulting contract PON "RESEARCH AND COMPETITIVENESS" 2007-2013 FOR CONVERGENCE REGIONS (European Regional Development Fund - ERDF, 50% and Revolving Fund - FdR to 50%) for the project PON04\_00303 "DIMEMO – Breakwaters for Wave Energy Conversion".
- Oct.'10 – Oct.'13: Expert for Emilia-Romagna Council (Italy) on a field study on an innovative method of coastal protection against subsidence-induces beach erosion.
- Jun. '07 - Jun.'08: Expert for Campania and Emilia – Romagna Regional Council (Italy) on Coastal Zone Management using GIS.
- Jan.'07 – May 07: Expert for River Sarno Authority on coastal erosion management (Campania Regional Council, Italy).
- Jan.'07 - Oct.'07: Expert for Campania Regional Council (Italy) on coastal defence systems and beach nourishments.
- Apr.'06 - Oct.'06: Expert for AMRA (Regional Consortium of Universities and Research Councils, Italy) on coastal circulation nearby Bagnoli littoral (Naples, Italy).
- Nov.'06 - Nov.'09: Expert for Emilia-Romagna Council (Italy) on a field study on an innovative method of coastal protection against subsidence-induces beach erosion.
- Jan.'05 - Mar.'05: Expert for Italian National Research Council on wave hind-cast for sea storm events at Naples harbour and structural design of vertical breakwater extension.
- Jan.'04 – Dec. '04: Expert for River Sarno Authority on coastal erosion management (Campania Regional Council, Italy).
- Jan.'03 – Dec.'06: Expert for Emilia-Romagna Council (Italy) on a field study on an innovative method of coastal protection against subsidence-induces beach erosion.

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## International Journal Publications

1. Budillon, F., **Vicinanza, D.**, Ferrante, V., Iorio, M. (2006). "Sediment transport and deposition during extreme sea storm events at the Salerno Bay (Tyrrhenian Sea): comparison of field data with numerical model results", *Natural Hazards and Earth System Sciences*, European Geosciences Union, ISSN 1561-8633, Vol. 6, n.6, pp. 839-852. <http://www.nat-hazards-earth-syst-sci.net/6/839/2006/nhess-6-839-2006.pdf>
2. Greco, R., **Vicinanza, D.**, Di Natale, M. (2007). "Wave-jet non linear interaction: mathematical model development and experimental results", *International Journal Of Offshore And Polar Engineering*, ISSN 1053-5381, Vol. 17, No. 2, pp. 119-124. <http://www.isopec.org/publications/journals/journalJune07.htm>
3. Di Natale, M., Eramo, C., **Vicinanza, D.** (2008). "Experimental investigation on beach morphodynamics in the presence of subsidence", *Journal of Coastal Research*, ISSN 0749-0208, Vol. 24 (1A), pp. 222–231. [http://dx.doi.org/10.2112/1551-5036\(2008\)24\[222:EIOBMI\]2.0.CO;2](http://dx.doi.org/10.2112/1551-5036(2008)24[222:EIOBMI]2.0.CO;2)
4. **Vicinanza, D.**, Frigaard, P. (2008). "Wave pressure acting on a seawave slot-cone generator", *Coastal Engineering*, ISSN 0378-3839, vol. 55, pp. 553–568. <http://dx.doi.org/10.1016/j.coastaleng.2008.02.011>
5. Calabrese, M., **Vicinanza, D.**, Buccino, M. (2008). "2D wave set up behind submerged breakwaters", *Ocean Engineering*, ISSN 0029-8018, vol. 35, pp. 1015–1028. <http://dx.doi.org/10.1016/j.oceaneng.2008.03.005>
6. Margheritini, L., **Vicinanza, D.**, Frigaard P. (2009). "SSG wave energy converter: design, reliability and hydraulic performance of an innovative overtopping device", *Renewable Energy*, ISSN 0960-1481, vol. 34, pp. 1371-1380. <http://dx.doi.org/10.1016/j.renene.2008.09.009>
7. **Vicinanza, D.**, Ciavola, P., Biagi, S. (2009). "Field experiment to control coastline subsidence: a unique case study at Lido Adriano (Italy)", *Journal of Coastal Research*, ISSN 0749-0258, SI 56, pp. 1105-1109. [http://www.cerf-jcr.org/images/stories/1105.1109\\_D.Vicinanza\\_ICS2009.pdf](http://www.cerf-jcr.org/images/stories/1105.1109_D.Vicinanza_ICS2009.pdf)
8. Buccino, M., **Vicinanza, D.**, Cáceres, I., Calabrese, M. (2009). "3D wave field behind impermeable low crested structures", *Journal of Coastal Research*, ISSN 0749-0258, SI 56, pp. 477-481. [http://www.cerf-jcr.org/images/stories/477.481\\_M.Buccino\\_ICS2009.pdf](http://www.cerf-jcr.org/images/stories/477.481_M.Buccino_ICS2009.pdf)
9. **Vicinanza, D.**, Cáceres, I., Buccino, M., Gironella, X., Calabrese, M. (2009). "Wave disturbance behind low crested structures: diffraction and overtopping effects", *Coastal Engineering*, ISSN 0378-3839, vol. 56, pp. 1173-1185. <http://dx.doi.org/10.1016/j.coastaleng.2009.08.002>
10. **Vicinanza, D.**, Guida, A., Ferrante, V., Ciavola, P. (2010). "Performance of a Beach Dewatering System—Chiaiolella Beach, Procida Island, Italy", *Journal of Coastal Research*, ISSN 0749-0208, vol. 26 (4), pp. 753-761. : <http://dx.doi.org/10.2112/08-1165.1>
11. Baldock, T. E., Alsina, J., Cáceres, I., **Vicinanza, D.**, Contestabile, P., Power, H., Sanchez-Arcilla, A. (2011). "Large-scale experiments on beach profile evolution and surf and swash zone sediment transport induced by long waves, wave groups and random waves", *Coastal Engineering*, ISSN 0378-3839, vol. 58, pp. 214-227. <http://dx.doi.org/10.1016/j.coastaleng.2010.10.006>



12. Ciavola, P., **Vicinanza, D.**, Aristodemo, F., Contestabile, P. (2011). "Large-scale morphodynamic experiments on a beach drainage system", *Journal of Hydraulic Research*, ISSN 0022-1686, vol. 49 (4), pp. 523-528. <http://dx.doi.org/10.1080/00221686.2011.574386>
13. Damiani, L., **Vicinanza, D.**, Aristodemo, F., Saponieri, A., Corvaro, S. (2011). "Experimental investigation on wave set-up and nearshore velocity field in presence of a BDS", *Journal of Coastal Research*, ISSN 0749-0258, SI 64, pp. 55 - 59. [http://www.ics2011.pl/artic/SP64\\_55-59\\_L.Damiani.pdf](http://www.ics2011.pl/artic/SP64_55-59_L.Damiani.pdf)
14. **Vicinanza, D.**, Cappiotti, L., Ferrante, V., Contestabile, P. (2011). "Estimation of the wave energy in the Italian offshore", *Journal of Coastal Research*, ISSN 0749-0258, SI 64, pp. 613 - 617. [http://www.ics2011.pl/artic/SP64\\_613-617\\_D.Vicinanza.pdf](http://www.ics2011.pl/artic/SP64_613-617_D.Vicinanza.pdf)
15. **Vicinanza, D.**, Ciardulli, F., Buccino, M., Calabrese, M., Koefed, J. P. (2011). "Wave loadings acting on an innovative breakwaters for energy production", *Journal of Coastal Research*, ISSN 0749-0258, SI 64, pp. 608 – 612. [http://www.ics2011.pl/artic/SP64\\_608-612\\_D.Vicinanza.pdf](http://www.ics2011.pl/artic/SP64_608-612_D.Vicinanza.pdf)
16. Damiani, L., Aristodemo, P., Saponieri, A., Verbeni, B., Veltri, P., **Vicinanza, D.** (2011). "Full-scale experiments on a beach drainage system: hydrodynamic effects inside beach", *Journal of Hydraulic Research*, ISSN 0022-1686, vol. 4, S1, pp. 44-54. <http://dx.doi.org/10.1080/00221686.2011.588515>
17. **Vicinanza, D.**, Baldock, T. E., Contestabile, P., Alsina, J., Cáceres, I., Brocchini, M., Conley, D., Lykke Andersen, T., Frigaard, P., Ciavola, P. (2011). "Swash zone response under various wave regimes", *Journal of Hydraulic Research*, ISSN 0022-1686, vol. 4, S1, pp. 55-63. <http://dx.doi.org/10.1080/00221686.2011.588783>
18. **Vicinanza, D.**, Margheritini, L., Kofoed, J. P., Buccino, M. (2012). "The SSG Wave Energy Converter: Performance, Status and Recent Developments", *Energies*, ISSN 1996-1073, vol. 5 (2), pp. 193-226. <http://dx.doi.org/10.3390/en5020193>
19. Contestabile, P., Aristodemo, F., **Vicinanza, D.**, Ciavola, P. (2012). "Laboratory study on a beach drainage system", *Coastal Engineering*, ISSN 0378-3839, vol. 66, pp. 50-64. <http://dx.doi.org/10.1016/j.coastaleng.2012.03.012>
20. Buccino, M., Banfi, D., **Vicinanza, D.**, Calabrese, M., Del Giudice, G., Carravetta, A. (2012). "Non Breaking Wave Forces at the Front Face of Seawave Slotcone Generators ", *Energies*, ISSN 1996-1073, vol. 5, pp. 4779-4803. <http://dx.doi.org/10.3390/en5114779>
21. **Vicinanza, D.**, Contestabile, P., Ferrante, V. (2013). "Wave energy potential in the north-west of Sardinia (Italy)", *Renewable Energy*, ISSN 0960-1481, vol. 50, pp. 506-521, <http://dx.doi.org/10.1016/j.renene.2012.07.015>
22. **Vicinanza, D.**, Nørgaard, J., Contestabile, P., Lykke Andersen, T. (2013). "Wave loadings acting on Overtopping BReakwater for Energy Conversion", *Journal of Coastal Research*, ISSN 0749-0208, SI 65, pp. 1669-1674. [http://ics2013.org/papers/Paper3959\\_rev.pdf](http://ics2013.org/papers/Paper3959_rev.pdf)
23. Ciavola, P., Contestabile, P., Aristodemo, F., **Vicinanza, D.** (2013). "Beach sediment mixing under drained and undrained conditions, *Journal of Coastal Research*, ISSN 0749-0208, SI 65, pp. 1503-1508. [http://ics2013.org/papers/Paper4102\\_rev.pdf](http://ics2013.org/papers/Paper4102_rev.pdf)

24. Azzellino, A., Conley, D., **Vicinanza, D.**, Kofoed, J.P. (2013). Marine Renewable Energies: Perspectives and Implications for Marine Ecosystems, Special Issue of The Scientific World Journal, ISSN 1537-744X, Volume 2013, <http://dx.doi.org/10.1155/2013/547563>
25. Azzellino, A., Ferrante, V., Kofoed, J. P., Lanfredi, C., **Vicinanza, D.** (2013). "Optimal siting of offshore wind-power combined with wave energy through a marine spatial planning approach", International Journal of Marine Energy, ISSN 2214-1669, vol. 3-4, pp. 11-25. <http://dx.doi.org/10.1016/j.ijome.2013.11.008>
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