


## PERSONAL INFORMATION

**CLARA ARMAROLI**

 c/o Department of Physics and Earth Sciences, University of Ferrara, Via Saragat 1, Blocco B - 44122 - FERRARA, ITALY; Consorzio Futuro in Ricerca, non-profit research organization, Via Saragat 1, Blocco B - 44122 - FERRARA, ITALY



 mrclr@unife.it

 [https://www.researchgate.net/profile/Clara\\_Armaroli](https://www.researchgate.net/profile/Clara_Armaroli)



Sex Female | Nationality Italian

## WORK EXPERIENCE

2002- present : **Research Fellow, University of Ferrara, Italy, Department of Physics and Earth Sciences:**

November 2002 – September 2011

Topic: coastal physical processes in a Mediterranean environment

Supervisor: Prof. Paolo Ciavola, University of Ferrara

October 2011 – October 2016

Topic: impacts and damages caused by marine storms on the northern Adriatic coast through the identification of critical storm thresholds

Supervisor: Prof. Paolo Billi, University of Ferrara till December 2015. From January 2016 the Supervisor is Prof. Monica Ghirotti, University of Ferrara.

November 2005, 2006 and 2007:

**Teaching Tutor, University of Ferrara, Italy:**

Civil and Environmental Engineering Degree, course of Geology and Geomorphology

September 2008 – November 2010:

**Adjunct Professor, University of Ferrara, Italy:**

Civil and Environmental Engineering Degree, course of Geology and Geomorphology

February – June 2012 and November – December 2011, 2012, 2013:

**Adjunct Professor, University of Ferrara, Italy:**

- Earth Sciences Degree, course of Remote Sensing

- Civil and Environmental Engineering Degree, course of Geology and Geomorphology

August – September 2013:

**Lecturer: international Summer School** on Sediment Dynamics and Associated Risks, LLP ERASMUS IP, grant agreement 2012-1-IT2-ERA10-38853, coordinator Prof. Paolo Billi, University of Ferrara

Academic year 2015-2016

**Contract Lecturer:** Department of Engineering, course of Geology and Geomorphology, 6 CFU

## EDUCATION AND TRAINING

2005-2008: **PhD in Earth Sciences, curriculum of Geomorphology**, University of Ferrara, Italy

Classification of excellent

Thesis: Morphodynamic classification of the submerged beach of Lido di Dante, Ravenna, through video monitoring

1996-2002: **Laurea (M.Sc) in Environmental Sciences, Marine Sciences**, University of Genova, Italy

Classification of 110/110 cum laude

Thesis: Relationship between heavy rainfalls and superficial land erosion in areas affected by fires

#### PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	Proficient C1	Proficient C1	Proficient C1	Proficient C1	Proficient C2

Communication skills Good communication skills gained through research and teaching activities at the University of Ferrara and thanks to the cooperation with Italian/foreign research institutes in national/international projects.

Organisational / managerial skills

I was a member of the **organising committee** of the conference held in Ferrara, Italy, entitled "Il Sistema Fiume-Costa: Ricerca scientifica e strumenti per una gestione integrata", 26-27 June 2008. I was the webmaster of the conference website: <http://digilander.libero.it/motopaolo1964/Convegno/index.html>

I was a member of the **scientific committee** of the international conference held in Forte dei Marmi, Italy: "Primo Forum Internazionale del Mare e delle Coste", 25-27 September 2014; "Secondo Forum internazionale del Mare e delle Coste", 1-3 October 2015.

I was the **vice-president** of the **scientific committee** of the international conference held in Ferrara, Italy, in November 2015: "III Coastal and Maritime Mediterranean Conference", available online at <http://www.paralia.fr>.

I gave an important **contribution** to the preparation of the Description of Work of the MICORE Project, VII Framework Programme. I was involved in managerial and organisational issues as vice-coordinator of the MICORE Project

Job-related skills Windows operative systems, Office, ArcGIS, ENVI, Argus, Surfer, Matlab, Visual Basic, SQL, HTML, Autocad, S-Beach model, X-Beach model, Delft 3-D, Corel Draw, D-GPS, Echosounders.

**Referee** of the following international journals: Coastal Engineering, Journal of Coastal Research, Scientific Reports (Nature Publishing Group), Geologica Acta, Geoinformatics in Applied Geomorphology – CRC Press (Taylor & Francis Group), Journal of Maps, Natural Hazards, Estuaries and Coasts, Natural Hazards and Earth System Sciences, Geomorphology, Earth System Science Data, Scientific Research and Essays.

**Reviewer for projects** of the Israel Science Foundation, Israel

**Reviewer for the international conference:** International Coastal Symposium 2016, Sydney, NSW, Australia

#### ADDITIONAL INFORMATION

Participation to V and VII Framework European Research Projects

- **VII Framework**, ENV.2013.6.4-3 Coasts at threat in Europe: tsunamis and climate-related risks - **RISC-KIT Project**, <http://www.risckit.eu/>

Role: **Research Fellow** of the RISC-KIT EU Project (Resilience-Increasing Strategies for Coasts toolKIT), started 1 November 2013, duration 40 months, contract n° 603458.

- **VII Framework**, Environment Theme - **MICORE Project**, <http://www.micore.eu/>

Role: **Vice-Coordinator** of the MICORE EU Project (Morphological Impacts and Coastal Risks induced by Extreme storm events), started 01/06/2008, contract n° 202798, duration 36 months.

- **V Framework**, Energy & Sustainable Development - **CoastView Project**, <http://141.163.79.209/web/index.html>

Role: **Research Assistant** of the European Project CoastView (developing coastal video monitoring systems in support of coastal zone management), started 01/04/2002, contract n° EVK3-CT-2001-00054, duration 36 months.

Lead Researcher/Research Assistant/Consultant of national and international projects

- **Emilia-Romagna Region, Italy, Geological Service:**

- 1) December 2004: **Research Assistant**, det. n°19310, prot. n°GEO/04/95000
- 2) October 2005: **Research Assistant**, det. n°14921, prot. n°GEO/05/73184, European INTERREG IIIB Project CADSEALAND (<http://www.cinfai.it/cadsealand/default.htm>)
- 3) May 2006: **Research Assistant**, det. n°6477, prot. n°GEO/06/28118, European INTERREG IIIB Project CADSEALAND (<http://www.cinfai.it/cadsealand/default.htm>)

- **Italian Ministry of Economic Development and Ministry of the Environment and Protection of Land and Sea:**

12 April 2007 – 4 June 2008: **Consultant** in the collaborative project A.G.I.R.E.

POR entitled “development of an innovative information system (GIS based) to manage the Campania Region coastal area”. Collaboration between Emilia Romagna and Campania Regions

**- Marche Region, Italy, Land, Mobility, Infrastructures and Coast Protection Office**

November 2009 – November 2011: **Principal Investigator** in the collaborative project entitled “experimental development of a high resolution coastal video system to monitor the shoreline of the San Michele-Sassi Neri beach, Conero headland”

**- Young Researchers Programme 2013, University of Ferrara**

June 2013 – December 2013: **Coordinator and Principal Investigator** of the Project VIMOVER (VIdeo MONitoring of OVerwash Events) in cooperation with the University of Algarve, Portugal (duration: 3 months).

**- National Geographic Society**

**Researcher** in the project: “Geomorphic compatibility of shore protection structures” funded by the National Geographic Society, 2014, duration: 6 months. Principal Investigator: Prof. Nancy Jackson, New Jersey Institute of Technology, USA.

**- University of Algarve (UAlg), Faro, Portugal**

May 2012 – May 2015: Video Monitoring **Consultant** of the Portuguese national project entitled “RUSH – from runup to overwash” (PTDC/CTE-GIX/116814/2010), Coordinator: Dr. Ana Margarida de Almeida Matias (<http://overwash.blogspot.it/>),

**- University of Cadiz (UCA), Cadiz, Spain**

January 2015 – December 2017: Video Monitoring **Consultant** of the Spanish national project entitled “ADACOSTA – Vulnerabilidad costera en el marco del cambio climático: respuesta y medidas de adaptación (CGL2014-53153-R)”, Coordinator: Dr. Laura del Rio Rodriguez.

M.Sc Thesis co-supervisor - Academic Year 2006-2007

Ing. Marinella Masina, **Civil Engineering MSc Degree**, University of Ferrara, Italy  
Title: Vulnerabilità da ingressione marina in condizioni di mareggiata lungo la costa centro-meridionale dell'Emilia-Romagna (in Italian)

- Academic Year 2010-2011

Ing. Elisa Piazzalunga, **Civil and Environmental Engineering MSc Degree**, University of Ferrara, Italy  
Title: Application of a Data Model Assimilation Method to Nearshore Sand Bar Dynamics (in English). The thesis was awarded with an important Italian national prize entitled “Marisa Bellisario - Donne l'Italia che vogliamo”

Internship at foreign research institutes

May 2006, Facultad de Ciencias del Mar dell'Universidad de Cadiz, Spain.

1 July - 31 December 2013, University of Algarve, Faro, Portugal

Publications Publication list attached

References Available on request

*Il sottoscritto acconsente, ai sensi del D.Lgs. 30/06/2003 n.196, al trattamento dei propri dati personali. Il sottoscritto acconsente alla pubblicazione del presente curriculum vitae sul sito dell'Università di Ferrara*

A handwritten signature in black ink, reading "Clara Armaroli", written over a horizontal line.

## ARMAROLI CLARA

### PUBLICATIONS (2016 – 2003)

#### 2016

##### Paper in refereed journals

1. Harley, M.D., Valentini, A., **Armaroli, C.**, Perini, L., Calabrese, L., Ciavola, P. (2016). Can an early warning system help minimize coastal storm impacts? A case study of the 2012 Halloween storm, northern Italy. *NATURAL HAZARDS AND EARTH SYSTEM SCIENCES*, Volume 16, Issue 1, p. 209-222.
2. Perini, L., Calabrese, L., Salerno, G., Ciavola, P., **Armaroli, C.** (2016). Evaluation of coastal vulnerability to flooding: comparison of two different methodologies adopted by the Emilia-Romagna region (Italy). *NATURAL HAZARDS AND EARTH SYSTEM SCIENCES*, Volume 16, Issue 1, p. 181-194.

#### 2015

##### Paper in refereed journals

1. Jackson, N.L., Harley, M.D., **Armaroli, C.**, Nordstrom, K.F. (2015). Beach morphologies induced by breakwaters with different orientations. *GEOMORPHOLOGY*, 239, p. 48-57.
2. Nordstrom, K.F., **Armaroli, C.**, Jackson, N.L., Ciavola, P. (2015). Opportunities and constraints for managed retreat on exposed sandy shores: Examples from Emilia-Romagna, Italy. *OCEAN & COASTAL MANAGEMENT*, 104, p. 11-21, DOI: 10.1016/j.ocecoaman.2014.11.010
3. Sekovski, I., **Armaroli, C.**, Calabrese, L., Mancini, F., Stecchi, F., Perini, L. (2015). Coupling scenarios of urban growth and flood hazard along the Emilia-Romagna coast (Italy). *NATURAL HAZARDS AND EARTH SYSTEM SCIENCES*, Volume 15, Issue 10, p. 2331-2346.

##### Conference abstract

4. Bertoni, D., Armaroli, C., Ciavola, P. (2015). Fast retreat of a barrier system due to reduced sediment supply (Bellocchio, Northern Adriatic Sea, Italy). *Atti di: 3rd Coastal and Maritime Mediterranean Conference*, November 2015, Ferrara, Italy, *Revue Paralia*, 3, p. 7-10, DOI:10.5150/cmcm.2015.002

#### 2014

##### Paper in refereed journals

1. Harley, M.D., Andriolo, U., **Armaroli, C.**, Ciavola, P. (2014). Shoreline rotation and response to nourishment of a gravel embayed beach using a low-cost video monitoring technique: San Michele-Sassi Neri, central Italy. *JOURNAL OF COASTAL CONSERVATION*, 11/2013, doi: 10.1007/s11852-013-0292-x

##### Book chapter

2. Ciavola, P., Ferreira, O., Van Dongeren, a., Van Thiel de Vries, J., **Armaroli, C.**, Harley, M. (2014). Prediction of Storm Impacts on Beach and Dune Systems. In: *Hydrometeorological Hazards: Interfacing Science and Policy*, First Edition. Edited by Philippe Quevauviller, 2015 John Wiley & Sons, Ltd. Published 2015 by John Wiley & Sons, Ltd., p. 227-252, ISBN: 978-1-118-62957-4

##### Conference abstract

3. **Armaroli, C.**, Perini, L., Calabrese, L., Ciavola, P., Salerno, G. (2014). Evaluation of coastal vulnerability: comparison of two different methodologies adopted by the Emilia-Romagna Region (Italy). Vol. 16, EGU2014-11299, EGU General Assembly, 27 April-2 May 2014, Wien, Austria.

#### 2013

##### Paper in refereed journals

1. **Armaroli, C.**, Grottoli, E., Harley, M.D., Ciavola, P. (2013). Beach morphodynamics and types of foredune erosion generated by storms along the Emilia-Romagna coastline, Italy. *GEOMORPHOLOGY*, vol. 199, p. 22-35, ISSN: 0169555X, doi: 10.1016/j.geomorph.2013.04.034

#### 2012

##### Paper in refereed journals

1. **Armaroli, C.**, Ciavola, P., Perini, L., Calabrese, L., Lorito, S., Valentini, A., Masina, M. (2012). Critical storm thresholds for significant morphological changes and damage along the Emilia-Romagna coastline, Italy. *GEOMORPHOLOGY*, vol. 143-144, p. 34-51, ISSN: 0169-555X, doi: 10.1016/j.geomorph.2011.09.006

##### Conference proceedings

2. **Armaroli, C.**, Perini, L., Calabrese, L., Luciani, P., Salerno, G., Ciavola, P. (2012). Cartografia di rischio da mareggiata della fascia costiera della Regione Emilia-Romagna. In: *Contributi al Meeting Marino*, D'angelo S. e Fiorentino A. (a cura di), ISPRA, pp. 25-33, Roma, 25-26 ottobre 2012, ISBN 978-88-448-0587-6

- Harley, M.D., Valentini, A., **Armaroli, C.**, Ciavola, P., Perini, L., Calabrese, L., Marucci, F. (2012). An early warning system for the on-line prediction of coastal storm risk on the Italian coastline. In: ASCE, Proceedings of ICCE 2012, 1(33), Santander, Spain, ISBN: 978-098966111-9, Code 99800, management.77. doi:10.9753/icce.v33.management.77

#### Conference abstract

- Armaroli, C.**, Perini, L. (2012). A simplified methodology for the estimation of wave runup on armoured rubble slopes for vulnerability assessment. In: 7th EureGeo Conference - European Congress on Regional Geoscientific Cartography and Information Systems. vol. 1, p. 355-356, Regione Emilia-Romagna, Bologna, Italy, 12-15 June 2012

## 2011

#### Paper in refereed journals

- Armaroli, C.**, Ciavola, P. (2011). Dynamics of a nearshore bar system in the northern Adriatic: a video-based morphological classification. GEOMORPHOLOGY, vol. 126, p. 201-216, ISSN: 0169-555X, doi: 10.1016/j.geomorph.2010.11.004
- Harley, M., **Armaroli, C.**, Ciavola, P. (2011). Evaluation of XBeach predictions for a real-time warning system in Emilia-Romagna, Northern Italy. JOURNAL OF COASTAL RESEARCH, vol. SI 64, p. 1861-1865, ISSN: 0749-0208
- Sedrati, M., Ciavola, P., **Armaroli, C.** (2011). Morphodynamic evolution of a microtidal barrier, the role of overwash: Bevano, Northern Adriatic Sea. JOURNAL OF COASTAL RESEARCH, vol. SI 64, p. 696-700, ISSN: 0749-0208
- Ciavola, P., Ferreira, O., Haerens, P., Van Koningsveld, M., **Armaroli, C.** (2011). Storm impacts along European coastlines. Part 2: lessons learned from the MICORE project. ENVIRONMENTAL SCIENCE & POLICY, vol. 14, p. 924-933, ISSN: 1462-9011, doi: 10.1016/j.envsci.2011.05.009
- Ciavola, P., Ferreira, O., Haerens, P., Van Koningsveld, M., **Armaroli, C.**, Lequeux, Q. (2011). Storm impacts along European coastlines. Part 1: The joint effort of the MICORE and ConHaz Projects. ENVIRONMENTAL SCIENCE & POLICY, vol. 14, p. 912-923, ISSN: 1462-9011, doi: 10.1016/j.envsci.2011.05.011

#### Book

- Perini, L., Calabrese, L., Deserti, M., Valentini, A., Ciavola, P., **Armaroli, C.** (2011). Le mareggiate e gli impatti sulla costa in Emilia-Romagna 1946-2010. Bologna: Arpa Emilia-Romagna

## 2010

#### Paper in refereed journals

- Ciavola, P., **Armaroli, C.** (2010). Evoluzione recente del sistema dunale di Lido di Dante-Foce Bevano (Ravenna): fattori naturali ed impatto antropico. STUDI COSTIERI, vol. 17, p. 19-38, ISSN: 1129-8588

#### Book chapter

- Perini, L., Luciani, P., Ciavola, P., **Armaroli, C.**, Masina, M., (2010). Cartografia della vulnerabilità alle mareggiate. In: Regione Emilia-Romagna, Servizio Geologico, Sismico e dei Suoli. Il sistema mare-costa dell'Emilia-Romagna. p. 203-210, Pendragon; a cura di Luisa Perini, Lorenzo Calabrese, ISBN: 9788883428487

## 2009

#### Paper in refereed journals

- Armaroli, C.**, Ciavola, P., Masina, M., Perini, L. (2009). Run-up computation behind emerged breakwaters for marine storm risk assessment. JOURNAL OF COASTAL RESEARCH, vol. SI 56, p. 1612-1616, ISSN: 0749-0208
- Ferreira, Ó., Ciavola, P., **Armaroli, C.**, Balouin, Y., Benavente, J., Del Río, L., Deserti, M., Esteves, L.S., Furmanczyk, K., Haerens, P., Matias, A., Perini, L., Taborda, R., Terefenko, P., Trifonova, E., Trouw, K., Valchev, N., Van Dongeren, A., Van Koningsveld, M., Williams, J.J. (2009). Coastal Storm Risk Assessment in Europe: Examples from 9 study sites. JOURNAL OF COASTAL RESEARCH, vol. SI 56, p. 1632-1636, ISSN: 0749-0208
- Jiménez, J.A., Ciavola, P., Balouin, Y., **Armaroli, C.**, Bosom, E., Gervais, M. (2009). Geomorphic coastal vulnerability to storms in microtidal fetch-limited environments: Application to NW Mediterranean & N Adriatic Seas. JOURNAL OF COASTAL RESEARCH, vol. SI 56, p. 1641-1645, ISSN: 0749-0208
- Sedrati, M., Ciavola, P., Reyns, J., **Armaroli, C.**, Sipka, V. (2009). Morphodynamics of a microtidal protected beach during low wave-energy conditions. JOURNAL OF COASTAL RESEARCH, vol. SI 56, p. 198-202, ISSN: 0749-0208
- Valentini, A., Deserti, M., Ciavola, P., **Armaroli, C.**, Masina, M., Perini, L., Calabrese, L. (2009). I nuovi studi su mareggiate e fenomeni erosivi. ARPA RIVISTA, vol. 6, p. 16-18, ISSN: 1129-4922

#### Conference abstract

- Sedrati, M., Ciavola, P., **Armaroli, C.**, Fontana, E., Masina, M. (2009). Morphological change by overwash on a microtidal backshore: Bevano beach, Northern Adriatic Sea. In: EGU General Assembly 2009, vol. 11, European Geophysical Union, Wien, Austria, November 2009

#### Conference Proceedings

- Armaroli, C.**, Ciavola, P., Masina, M. (2009). Morphological thresholds for the definition of the vulnerability of coastal dunes in northern Italy. In: Proceedings of AGU Conference. vol. 90(52), EOS Transaction.AGU, San Francisco, California, December 2009
- Ciavola, P., **Armaroli, C.**, Sedrati, M., Masina, M. (2009). Degradation of a dune-ridge at a yearly time-scale: impact of human activities and occurrence of storms. In: Geotalia 2009 – VII Forum Italiano di Scienze della Terra. Rimini, Italy, September 2009, FIST, Federazione Italiana di Scienze della Terra
- Van Dongeren, A., Bolle, A., Roelvink, J., Voudoukas, M.I., Plomaritis, T., Williams, J., **Armaroli, C.**, Idier, D., Van Geer, P., Van Thiel de Vries, J., Haerens, P., Taborda, R., Benavente, J., Trifonova, E., Ciavola, P., Balouin, Y., Eftimova, P. (2009). Micore: dune erosion and overwash model validation with data from nine European field sites. In: Proceedings of AGU Conference, vol. 90(52), EOS Transaction.AGU, San Francisco, California, December 2009
- Van Dongeren, A., Bolle, A., Voudoukas, M.I., Plomaritis, T., Eftimova, P., Williams, J.J., **Armaroli, C.**, Idier, D., Van Geer, P., Van Thiel de Vries, J., Haerens, P., Taborda, R., Benavente, J., Trifonova, E., Ciavola, P., Balouin, Y., Roelvink, D. (2009). MICORE: dune erosion and overwash model validation with data from nine European field sites. In: Proceedings of Coastal Dynamics 2009, p. 1-15, Masaru Mizuguchi and Shinji Sato, ISBN: 9789814282468, Tokyo, Japan, 7-11 September 2009

## 2008

#### Conference Proceedings

- Ciavola, P., **Armaroli, C.**, Masina, M., Perini, L., Luciani, P. (2008). Nuovi metodi per la cartografia del rischio da inondazione marina: l'esperienza in Emilia-Romagna. In: Proceedings of Dodicesima Conferenza Nazionale ASITA. L'Aquila, Italy, 21/10/200-24/10/2008, p. 755-760

#### Book chapter

- Ciavola, P., **Armaroli, C.**, Perini, L., Luciani, P. (2008). Evaluation of maximum storm wave run-up and surges along the Emilia-Romagna coastline (NE Italy): A step towards a risk zonation in support of local CZM strategies. In: Integrated Coastal Zone Management - The Global Challenge. p. 505-516, Singapore: Research Publishing Services, ISBN: 9789810589486

## 2007

#### Paper in refereed journals

- Ciavola, P., **Armaroli, C.**, Chiggiato, J., Valentini, A., Deserti, M., Perini, L., Luciani, P. (2007). Impact of storms along the coastline of Emilia-Romagna: the morphological signature on the Ravenna coastline (Italy). JOURNAL OF COASTAL RESEARCH, vol. SI 50, p. 540-544, ISSN: 0749-0208
- Kroon, A., Davidson, M.A., Aarninkhof, S.G.J., Archetti, R., **Armaroli, C.**, Gonzales, M., Medri, S., Osorio, A., Aagaard, T., Holman, R., Spanhoff, R. (2007). Application of remote sensing video system to coastline management problems. COASTAL ENGINEERING, vol. 54, p. 493-505, ISSN: 0378-3839

#### Book chapter

- Armaroli, C.**, Ciavola, P., Perini, L., Luciani, P. (2007). Morfologia delle spiagge ravennati e vulnerabilità per fenomeni di inondazione. In: Terzo Forum Nazionale, pianificazione e tutela del territorio costiero; questioni, metodi, esperienze a confronto, p. 363-389, Rimini, Italy: Maggioli Editore

## 2006

#### Paper in refereed journals

- Armaroli, C.**, Ciavola, P., Balouin, Y., Gatti, M. (2006). An integrated study of shoreline variability using GIS and ARGUS techniques. JOURNAL OF COASTAL RESEARCH, vol. 39, p. 473-477, ISSN: 0749-0208

#### Conference Proceedings

- Armaroli, C.**, Balouin, Y., Ciavola, P., Capatti, D. (2006). Nearshore bars as a natural protection of beaches, field evidences from Lido di Dante beach, Adriatic Sea. In: Proceedings of the First International Conference on Coastal Conservation and Management in the Atlantic and Mediterranean. p. 295-303, Porto: Eurocoast Portugal, ISBN: 9789727520831, Tavira, Algarve, Portugal, May 2005
- Armaroli, C.**, Balouin, Y., Ciavola, P., Gardelli, M. (2006). Bar changes due to storm events using ARGUS: Lido di Dante, Italy. In: atti di Coastal Dynamics. Barcelona, Spain, 2006, Barcellona: Sanches Arcilla, ISBN: 9780784408551
- Armaroli, C.**, Ciavola, P., Caleffi, S., Gardelli, M. (2006). Morphodynamics of nearshore rhythmic forms: an energy-based classification. In: ASCE, atti di ICCE 2006. San Diego, California, September 2006, vol. 4, p. 4009-4021, New York: ASCE, ISBN: 9789812709929



5. Balouin, Y., Ciavola, P., **Armaroli, C.** (2006). Sediment transport patterns and coastal evolution at Lido di Dante beach, Adriatic Sea. In: Atti di Coastal Dynamics. Barcelona, Spain, 2006, Barcellona: Sanchez Arcilla, ISBN: 9780784408551
6. Ciavola, P., Benavente, J., Anfuso, G., **Armaroli, C.**, Del Rio, L., Castiglione, E. (2006). Pathways of sediment transport and morphological changes on an urban pocket beach in Cádiz (Spain). In: Coastal Dynamics, Geomorphology and Protection, Littoral 2006. Gdansk, Poland, 18-20 September 2006, p. 189-196, EUROCOAST Poland, ISBN: 9788388617829
7. Ciavola, P., Perini, L., Luciani, P., **Armaroli, C.** (2006). An application of terrestrial Lidar surveys for the evaluation of dune erosion generated by storm events. In: Atti di 5th European Congress on Regional Geoscientific Cartography and Information Systems, vol. 1, p. 540-542, Barcellona: Institut Cartogràfic de Catalunya, Barcelona, Spain, 13/06/2006
8. Ciavola, P., Perini, L., Luciani, P., **Armaroli, C.**, Caleffi, S. (2006). Rapid dune degradation along the Emilia-Romagna coastline: a signature of variability in sea-storm intensity? In: Proceedings of Adria 2006, p. 44-45, Urbino: Arti Grafiche Editoriali Srl, Urbino, Italy, 19/06/2006-20/06/2006

#### Paper in national journals

9. Ciavola, P., Perini, L., Luciani, P., **Armaroli, C.** (2006). Il rilievo Lidar della costa dell'Emilia-Romagna: uno strumento per la valutazione dell'impatto delle mareggiate sulle zone costiere e per la caratterizzazione della morfodinamica delle spiagge. HYDROGEO, vol. 2006, p. 18-25

## 2005

#### Conference Proceedings

1. Ciavola, P., **Armaroli, C.**, Balouin, Y., Geremia, F. (2005). The back-barrier wetland system of Venticari (SR): prediction of dune overwashing using shoreline variability indicators. In: Atti di Lagoons and Coastal Wetlands, vol. ICAM dossier n. 3, p. 307-314, Venice, Italy: UNESCO, 26/04/2004-28/04/2004
2. Gardelli, M., **Armaroli, C.**, Ciavola, P. (2005). Studio della variazione della linea di riva tramite l'analisi di immagini video e strumenti GIS. In: Materiali Dipartimento di Geografia. vol. 28/2005, p. 104-105, Padova: Università di Padova, Padova, Italy, 15/02/2005-17/02/2005

#### Paper in national journals

3. Albertazzi, C., Archetti, R., **Armaroli, C.**, Ceroni, M., Ciavola, P., Lamberti, A., Medri, S. (2005). Monitoraggio video dei processi costieri in supporto alla gestione della costa: il progetto Coastview. BOLLETTINO AIOM, vol. 32, p. 5-11
4. Ciavola, P., Billi, P., **Armaroli, C.**, Balouin, Y., Preciso, E., Salemi, E. (2005). Valutazione della morfodinamica di foce del torrente Bevano (RA): il ruolo del trasporto solido di fondo. GEOLOGIA TECNICA & AMBIENTALE, vol. 1, p. 41-57, ISSN: 1722-0025

## 2004

#### Conference Proceedings

1. Ciavola, P., Gatti, M., **Armaroli, C.**, Balouin, Y. (2004). Valutazione della variazione della linea di riva nell'area di Lido di Dante (RA) tramite GIS e monitoraggio con DGPS cinematico. In: Atti dei Convegni Lincei, XXI Giornata dell'Ambiente, Aree Costiere. vol. 205, p. 113-121, Rome: Accademia Nazionale dei Lincei, ISBN: 9788821809248, Rome, Italy, 05/06/2003

#### Paper in refereed journals

2. Balouin, Y., Ciavola, P., Anfuso, G., **Armaroli, C.**, Corbau, C., Tessari, U. (2004). Morphodynamics of intertidal sand bars: field studies in the northern Adriatic, NE Italy. JOURNAL OF COASTAL RESEARCH, vol. 39, p. 323-328, ISSN: 0749-0208

## 2003

#### Conference Proceedings

1. Albertazzi, C., Archetti, R., **Armaroli, C.**, Ceroni, M., Ciavola, P., Lamberti, L., Medri, S. (2003). The CoastView Project. In: Proceedings of the Sixth International Conference on The Mediterranean Coastal Environment, vol. 1, p. 235-246, Ankara: Reklam ve Tanitim Ltd. Sti., ISBN: 9789756813423, Ravenna, Italy, 7-11 October 2003
2. Balouin, Y., Ciavola, P., Anfuso, G., **Armaroli, C.** (2003). Relationship between bar migration and swash duration: field assessments at Lido di Volano beach, Adriatic Sea, Northern Italy. In: Proceedings of 3rd IAHR Symposium on River, Coastal and Estuarine Morphodynamics. p. 1121-1133, Madrid: IAHR, ISBN: 9789080564961, Barcelona, Spain, 1-5 September 2003

*Il sottoscritto acconsente, ai sensi del D.Lgs. 30/06/2003 n.196, al trattamento dei propri dati personali. Il sottoscritto acconsente alla pubblicazione del presente curriculum vitae sul sito dell'Università di Ferrara*

*Clara Armaroli*