CURRICULUM VITAE

PERSONAL INFORMATION



Name	SARA MIZAR FORMENTIN		
Telephone	+39 051 2093261	Mobile	+39 328 8699986
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Nationality	Italian		
Date of Birth	September 9 th , 1987		
Gender	Female		

CURRENT POSITION

• From October, 2022 to Junior assistant professor (fixed-term) the Department of Civil, Chemical, Environmental and October, 2025 (presently) Materials Engineering (DICAM), University of Bologna. Project manager for the private company "No Gap Controls s.r.l." for the verification and audit of Since January, 2021 public projects of structures and infrastructural. RESEARCH STATEMENT · Research themes Analysis of the phenomena of wave-structure interaction by means of physical and numerical modelling and machine-learning techniques. Integrated assessment of the hydraulic and structural performance of sea defence structures in a changing climate, based on a multidisciplinary approach accounting for environmental impact and technical-economic feasibility, for an optimal design. Analysis of the effects of climate change in terms of sea-level rise, wave loads, sea storm frequency and intensity and related impact on coastal morpho-dynamics, coastal erosion and coastal flooding risk. Analysis and modelling of innovative technologies and devices to combine coastal protection with wave energy production. Development of low-cost and non-intrusive methodologies based on image analysis, to model complex, unsteady processes such as wave breaking, turbulence and bi-phase air/water flow. Analysis and numerical modeling of fluid compressibility on bi-phase flows and unsteady processes. Research interests Maritime Hydraulics, Coastal Engineering, wave-structure interactions, CFD, Artificial Intelligence, machine-learning, image analysis, turbulent flows, bi-phase flows. **EDUCATION AND TRAINING** • 2021-2032 Italian National Scientific Qualification as Associate Professor 08/A1 – Idraulica, Idrologia, Costruzioni Idrauliche e Marittime, MIUR, Italy. Valid from 03/06/2021 to 03/06/2032. 2021-2024 Legally gualified as Project Manager, UNI 11648:2016 and UNI ISO 21500. Valid from 26/11/2021 to 25/22/2024. May, 2015 PhD in Civil, Environmental and Materials engineering Faculty of Engineering, University of Bologna Age at graduation: 27 Field: Water science and technology Topic: Coastal engineering and maritime hydraulics Supervisor: Prof. Barbara Zanuttigh Research activity: analysis and modeling of coastal structures exposure and resilience. The research focuses on numerical modeling of wave-structure interaction, by means of Artificial Neural Networks and 2DV RANS-VOF modeling. Dissertation title: Neural network modelling of the wave-structure interaction processes.

 September, 2013 Legally qualified and registered to attest the Energy Performance Certificate for buildings

	Certification obtained after professional practice examination at Beta Formazione institute, Lugo (Ravenna, Italy).
• July, 2012	Legally qualified and registered to practice Civil and Environmental Engineer profession. License obtained after professional practice examination at Faculty of Engineering, Bologna.
December, 2011	Master Degree in Civil Engineering – Hydraulics, final degree 110 out of 110 cum laude.Faculty of Engineering, University of Bologna.Age at graduation: 24First academic year of enrolment: 2009/2010Last academic year of enrolment: 2010/2011Official time limit for the degree course: 2 yearsDissertation subject: Coastal EngineeringDissertation title: Analysis of wave-structure interaction using artificial neural networks. Thewave reflection.
• October, 2009	First Degree in Environmental Engineering – Land and soil protection, final degree 107 out of 110 Faculty of Engineering, University of Bologna. Age at graduation: 22 First academic year of enrolment: 2006/2007 Last academic year of enrolment: 2008/2009 Official time limit for the degree course: 3 years Dissertation/thesis subject: Mechanic of Machines
• July, 2006	Scientific High School Diploma at secondary school, final degree 100 out of 100. Scientific High School "Augusto Righi", Bologna.

QUALIFICATIONS

• From June, 2021 to June, 2032	National Academic Qualification as Associate Professor sector 08/A1 – Hydraulic, Hydrology, Hydraulic and Maritime Constructions
 From November, 2021 to November, 2032 	Legally qualified as Project Manager, UNI 11648:2016 and UNI ISO 21500.
Since September 2013	Legally qualified and registered to attest the Energy Performance Certificate for buildings.
Since July 2012	Legally qualified and registered to practice Civil and Environmental Engineer profession.

WORK EXPERIENCE – ACADEMIC ACTIVITIES

RESEARCH ACTIVITIES	
From October, 2022 to October, 2025 (presently)	Junior assistant professor (fixed-term) the Department of Civil, Chemical, Environmental and Materials Engineering (DICAM), University of Bologna.
• From June, 2018 to November, 2021	Holder of a research grant, funded by the Department of Civil, Chemical, Environmental and Materials Engineering (DICAM), University of Bologna. Research activity: modelling of the interaction among wind, waves and structures for coastal defense and energy production. From Dicember 19th , 2019 to May 31st , 2020: maternity leave .
• From May, 2016 to April, 2018	Holder of a research grant, funded by the Department of Civil, Chemical, Environmental and Materials Engineering (DICAM), University of Bologna. Research activity: modelling of the interaction among wind, waves and structures for coastal defense and energy production.
• From May, 2015 to April, 2016	Holder of a research grant, funded by the UE project "THESEUS - Innovative technologies for safer European coasts in a changing climate". Research activity: analysis and modeling of coastal structures exposure and resilience.
• From May, 2013 to March, 2015	Holder of a research grant, funded by the Italian project "RitMare – Ricerca italiana per il Mare". Research activity: analysis and modeling of coastal structures exposure and resilience.

From April, 2012 to March, 2013	Holder of a research grant, funded by the UE project "THESEUS - Innovative technologies for safer European coasts in a changing climate". Research activity: analysis and modeling of coastal structures exposure and resilience.	
TEACHING AND TUTORING ACTIVITIES		
• A.Ys. from 2023-2024	In charge of the course of the Module 2 of Hydraulics (3 ECTS, 30 hours teaching), in italian, for Environmental Engineers at the University of Bologna, Bachelor course.	
• A.Ys. from 2016-2017 to 2021-2022	Holder of the tutoring activity for the course "Idraulica T" for the degree course in Environmental Engineering.	
• A.Y. 2015-2016	Holder of the tutoring activity for the course "Idraulica T" for the degree course in Civil Engineering.	
Occasionally	Collaboration with Passepartout Cooperative (Bologna) for private lessons and tutoring of students, to prepare school tests, university exams and thesis.	
THESIS ADVISOR ACTIVITIES		
	 Co-supervisor of: 18 Master degree Theses in Maritime Hydraulics, Civil and Environmental Engineering courses 	
	5 Bachelor's degree Theses in Hydraulics, Environmental Engineering course.	
EDITORIAL ACTIVITIES		
• Reviewer for the Journals:	Coastal Engineering, Scientific Reports, Applied Ocean Research, Coastal Engineering Journal, Water, Fluids, Sustainability, Journal of Coastal Conservation, Journal of Ocean Engineering and Science, Journal of Civil Engineering	
• Editor	<i>Journal of Marine Science and Engineering</i> – Special Issue "Machine-Learning Methods and Tools in Coastal and Ocean Engineering"	
	Frontiers in Built Environment - Coastal and Offshore Engineering – Research Topic "Recent Developments in Modelling Wave-Structure Interactions at Sea Defences in a Changing Climate"	
 Review Editor for the Journal 	Frontiers in Built Environment - Coastal and Offshore Engineering	
RESEARCH PRODUCTS		
Artificial Neural Network tool, 2017	Development and release of the Graphical User Interface and of the related website for the utilization of the Artificial Neural Network for the prediction of the wave overtopping discharge and the wave reflection and transmission coefficients. http://overtopping.ing.upibe.it/overtopping	
Wave overtopping database, 2016	Collection, organization and delivery of a homogeneous database of nearly 18,000 tests on wave overtopping, transmission and reflection. The database has been built by collecting the data available from previous databases, literature and submissions from organizations that performed tests. The database is available for free download upon registration at the website: http://overtopping.ing.unibo.it/overtopping	
PUBLICATIONS – INTERNATIONAL JOURNALS	 Formentin S.M., Alcérreca Huerta J.C., Palma G. and Zanuttigh B., 2023. Statistical assessment of the wave loads at walls through two-phase CFD modeling of the effects of air compressibility, Frontiers in Built environment 9, 1282459. 10.3389/fbuil.2023.1282459 	
	 Formentin S.M. and Zanuttigh B., 2023. Statistical Analysis of the Wave Runup at Walls in a Changing Climate by Means of Image Clustering, Water 2023, 15(15), 2729. https://doi.org/10.3390/ w15152729 	
	 Formentin S.M., Gaeta M.G., De Vecchis R., Guerrero, M. and Zanuttigh B., 2021. Image- clustering analysis of the wave-structure interaction processes under breaking and non- breaking waves, Physics of Fluids 33(10), 105121. https://doi.org/10.1063/5.0065019 Formentin S.M., 2021. Key Performance Indicators for the upgrade of existing coastal defense structures, Journal of Marine Science and Engineering 9(9), 994, 32 p. https://doi.org/10.3390/jmse9090994. 	
	5. Formentin S.M., Palma G. and Zanuttigh B. Integrated assessment of the hydraulic and structural performance of crown walls on top of smooth berms. Coastal Engineering 168,	

103951, 18 pp. https://doi.org/10.1016/j.coastaleng.2021.103951

- Gaeta M.G., Guerrero, M., Formentin S.M., Palma G., and Zanuttigh B., 2020. Non-intrusive measurements of wave-induced flow over dikes by means of a combined ultrasound Doppler velocimetry and videography, *Water* 12(11), 3053, 19 pp. https://doi.org/10.3390/w12113053
- Palma G., Contestabile P., Zanuttigh B., Formentin S.M. and Vicinanza D., 2020. Integrated assessment of the hydraulic and structural performance of the OBREC device in the Gulf of Naples, Italy, *Applied Ocean Research*, 101, 102217, 14 pp. https://doi.org/10.1016/j.apor.2020.102217
- 8. Formentin S.M., Gaeta M.G., Palma G., Zanuttigh B. and Guerrero, M., 2019. Flow depths and velocities across a smooth dike crest, *Water* 11(10), 2197, 33 pp. https://doi.org/10.3390/w11102197
- Formentin S.M. and Zanuttigh B., 2019. Semi-automatic detection of the overtopping waves and reconstruction of the overtopping flow characteristics at coastal structures, *Coastal Engineering* 152, 18 pp. https://doi.org/10.1016/j.coastaleng.2019.103533
- 10. Formentin S.M. and Zanuttigh B., 2019. A Genetic Programming based formula for wave overtopping by crown walls and bullnoses, *Coastal Engineering* 152, 17 pp. https://doi.org/10.1016/j.coastaleng.2019.103529
- Palma, G., Formentin, S.M., Zanuttigh, B., Contestabile, P. and Vicinanza, D., 2019. Numerical Simulations of the Hydraulic Performance of a Breakwater-Integrated Overtopping Wave Energy Converter, *Journal of Marine Science and Engineering* 7(2), 38. https://doi.org/10.3390/jmse7020038
- 12. Formentin S.M. and Zanuttigh B., 2018. A methodological approach for the development and verification of artificial neural networks based on an example application to coastal engineering, *Coastal Engineering Journal*, 60(3), 260-279. https://doi.org/10.1080/21664250.2018.1503402
- Formentin S.M. and Zanuttigh B., 2018. A new method to estimate the overtopping and overflow discharge at over-washed and breached dikes, *Coastal Engineering* 140, 240-256. https://doi.org/10.1016/j.coastaleng.2018.08.002
- Formentin S.M., Zanuttigh B. and Van der Meer J.W., 2017. A Neural Network Tool for Predicting Wave Reflection, Overtopping and Transmission, Coastal Engineering Journal 59(1), 31 pp. DOI: 10.1142/S0578563417500061
- Zanuttigh B., Formentin S.M., and Van der Meer J.W., 2016. Prediction of extreme and tolerable wave overtopping discharges through an advanced neural network, *Ocean Engineering* 127, 7-22. http://dx.doi.org/10.1016/j.oceaneng.2016.09.032
- Villatoro M, Silva R., Méndez F.J., Zanuttigh B., Pand S., Trifonovae E., Losadab I.J., Izaguirre C., Simmonds D., Reeve D.E., Mendozan E., Martinelli L., Formentin S.M., Galiatsatou P., Eftimovae P., 2014. An approach to assess flooding and erosion risk for open beaches in a changing climate, *Coastal Engineering*, 87, 50-76. http://dx.doi.org/10.1016/j.coastaleng.2013.11.009
- 17. Zanuttigh, B., **Formentin, S.M.** e Briganti, R., 2013. A Neural Network for the prediction of wave reflection from coastal and harbor structures, *Coastal Engineering* 80, 49-67. http://dx.doi.org/10.1016/j.coastaleng.2013.05.004
- 1. Palma G., Formentin S.M., Zanuttigh B., 2020. Analysis of the impact process at dikes with crown walls and parapets, Proceedings of virtual Conference on Coastal Engineering, 2020.
- Formentin S.M., Zanuttigh B., Palma G., Gaeta M.G., and Guerrero, M., 2019. Experimental analysis of the wave loads on dike crown walls with parapets, Proc. of Coastal Structures Conference, Hannover (D).
- Formentin S.M. and Zanuttigh B., 2018. A new and fully automatic procedure for the identification and coupling of the overtopping events, Proc. of XXXVI International Conference on Coastal Engineering, Baltimore (Ma). Website http://www.icce2018.com/.
- Zanuttigh B., Formentin S.M. 2018. Reduction of the wave overtopping discharge at dikes in presence of crown walls with bullnoses, Proc. of XXXVI International Conference on Coastal Engineering, Baltimore (Ma). Website http://www.icce2018.com/.
- Formentin S.M., Zanuttigh B. and Van der Meer J.W., 2017. The new EurOtop neural network tool for an improved prediction of wave overtopping. Proc. of ICE Coasts, Marine Structures and Breakwaters, Liverpool, UK.

PUBLICATIONS – PROCEEDINGS OF CONFERENCES

- Palma G., Contestabile P., Formentin S.M., Vicinanza D. and Zanuttigh B., 2017. Investigation of the performance of a multifunctional harbour structure. Proc. of ICE Coasts, Marine Structures and Breakwaters, Liverpool, UK.
- Formentin S.M. and Zanuttigh B., 2016. Neural network modelling of wave-structure interaction processes, Proc. of XXXV Congresso Nazionale di Idraulica e Costruzioni Idrauliche, Bologna, pp 169-172.
- Zanuttigh B., Formentin S.M., and Van der Meer J.W., 2016. Update of the Eurotop Neural Network Tool: improved prediction of wave overtopping, Proc. of XXXV International Conference on Coastal Engineering, Antalya (TR). https://doi.org/10.9753/icce.v35.waves.2
- Formentin S.M., Palma G., Contestabile P., Vicinanza D. and Zanuttigh B., 2016. 2DV RANS-VOF numerical modeling of a multi-functional harbour structure, Proc. of XXXV International Conference on Coastal Engineering, Antalya (TR).
- Palma G., Contestabile P., Formentin S.M., Vicinanza D. and Zanuttigh B., 2016. *Design optimization of a multifunctional wave energy device*, Proceedings of the 2nd International Conference on Renewable Energies Offshore, Lisbon (P).
- Palma G., Contestabile P., Formentin S.M., Zanuttigh B. and Vicinanza D., 2016. Modeling the performance of a wave energy converter integrated in a harbour breakwater, Proc. of XXXV Congresso Nazionale di Idraulica e Costruzioni Idrauliche, Bologna, pp 165-168.
- Zanuttigh B., Formentin S.M., and Van der Meer J.W., 2015. An advanced and improved Artificial Neural Network for the prediction of wave overtopping, Proceedings of the Coastal Structures and Solutions to Coastal Disasters Joint Conference 2015, Boston (Ma), pp. 719-730, ASCE. http://dx.doi.org/10.1061/9780784480304.076
- Formentin S.M., Zanuttigh B., Van der Meer J.W. and Lopez Lara J., 2014. Overtopping flow characteristics at emerged and over-washed dikes, Proc. of XXXIV International Conference on Coastal Engineering, Seoul (ROK). http://dx.doi.org/10.9753/icce.v34.structures.7
- Zanuttigh B., Formentin S.M. and Van der Meer J.W., 2014. Advances in modelling wavestructure interaction through Artificial Neural Networks, Proc. of XXXIV International Conference on Coastal Engineering, Seoul (ROK). http://dx.doi.org/10.9753/icce.v34.structures.69
- Formentin, S. M., Zanuttigh, B. e Briganti, R., 2012. Stima del coefficiente di riflessione ondosa mediante modellazione alle reti neurali, Proc. of XXXIII Congresso Nazionale di Idraulica e Costruzioni Idrauliche, Brescia, electronic support, 11 pp.
- Formentin, S. M., Zanuttigh, B., 2013. Prediction of wave transmission trough a new artificial neural network developed for wave reflection, Proc. of VII International Conference on Coastal Dynamics, Arcachon (F). https://doi.org/10.9753/icce.v35.structures.3
- 1. Burcharth H. F., Zanuttigh B., Lykke Andersen T., Lara J. L., Jan Steendam G., Ruol P., PUBLICATIONS -Sergent P., Ostrowski R., Silva R., Martinelli L., Nørgaard J. Q. H., Mendoza E., Simmonds **BOOKS AND BOOK CHAPTERS** D., Ohle N., Kappenberg J., Pan S., Kim Nguyen D., Toorman E. A., Prinos P., Hoggart S., Chen Z., Piotrowska D., Pruszak Z., Schönhofer J., Skaja M., Szmytkiewicz P., Szmytkiewicz M., Leont'yev I., Angelelli E., Formentin S. M., Smaoui H., Bi Q., Sothmann J., Schuster D., Li M., Ge J., Lendzion J., 2014. Innovative engineering solutions and best practices to mitigate coastal risk. Chap. 3 in Coastal risk management in a changing climate, Zanuttigh et al. eds., Elsevier ed., pp. 171-236. 1. Formentin, S. M., Zanuttigh, B., 2012. Le interazioni onda-struttura: la riflessione ondosa. Id OTHER PUBLICATIONS -3209, electronic support. 2. Formentin, S. M., Zanuttigh, B., 2012. Le reti neurali artificiali in idraulica marittima. Id. 3210, electronic support. 1. Formentin S.M., Altomare C., Marzeddu A. and Zanuttigh B. Image clustering for
 - SUBMITTED ARTICLES: 1. Formentin S.M., Altomare C., Marzeddu A. and Zanuttigh B. Image clustering for overtopping volume measurements.

AUTHOR LEVEL METRICS

	# articles	# citations	H-index
Scopus	30	395	11
Web of Science	18	273	9
Google Scholar	49	519	12

RESEARCH PROJECTS

Mar, 2012 - 2020

Participant in the Research Units of the University of Bologna for the following projects:

- H2020 Programme "BRIGAID Bridging the Gap for Innovations in Disaster Resilience", May 2016 – Apr 2020. Project website: https://brigaid.eu/#
- National Programme RITMARE "Italian Research on the Sea), WP "Modelling of off-shore and coastal infrastructures", Jan 2012 – Dec 2016. Project website: www.ritmare.it/en/.
- UE project "THESEUS Innovative technologies for safer European coasts in a changing climate", Dec 2009 - Nov 2013. Project website: www.theseusproject.eu.

PATENTS

Co-inventor of "SeAbacus", a novel floating device for the wave energy conversion, patent request submitted on Feb, 14th 2023, proprietor Alma Mater Studiorum – Università di Bologna. International Application Number PCT/IT2023/050045; National application number 102022000002747.

SeAbacus is a floating wave energy converter which is able to capture energy from any direction. Thanks to its modest inertia, it is efficient also in low-energetic climate conditions. It is scalable, size-adaptable, small, modular and it can be installed at different depths. https://www.unibo.it/it/terza-missione/universita-e-impresa/brevetti-ateneo/brevetti-ateneo/brevetti-ateneo/brevetti-ateneo/scheda/2414

CONFERENCE ATTENDANCE

- 37th International Conference on Coastal Engineering, Sydney (AU), December, 4th -9th 2022. Contribution as co-author of two papers, oral presentation.
- 38th Convegno di Idraulica e Costruzioni Idrauliche, Reggio Calabria (I), September 4th-7th, 2022. Website: http://www.convegno-idra.it/convegno/. Contribution as co-author of one paper, oral presentation.
- 37th Convegno di Idraulica e Costruzioni Idrauliche Online Edition, 2021, June 14th-16th. Contribution as co-author of one paper, oral presentation.
- 4. Virtual International Conference on Coastal Engineering, 2020, October 6th-9th. Contribution as co-author of two papers, oral presentation.
- 36th Convegno di Idraulica e Costruzioni Idrauliche, Ancona (I), 2018, September 12th 14^h. Website: http://www.gii-idraulica.net/sezioni-tematiche/idra-2016. Contribution as co-author of three papers, oral and poster presentation.
- 36th International Conference on Coastal Engineering, Baltimore (MD), 2018, July, 30th August, 3rd. Website http://www.icce2018.com/. Contribution as co-author of two papers, oral presentation.
- 11th Coasts, Marine Structures and Breakwaters conference, Liverpool (UK), 2017, September 5th-7th. Website: http://www.ice-conferences.com/coasts,-marine-structures-andbreakwaters-2017. Contribution as co-author of two papers, oral presentation.
- 35th International Conference on Coastal Engineering, Istanbul (TR), 2016, November, 17th 20th. Websitehttp://www.icce2016.com/en/. Contribution as co-author of two papers, oral presentation.
- 35th Convegno di Idraulica e Costruzioni Idrauliche, Bologna (I), 2016, September 14th 16th. Website: http://www.gii-idraulica.net/sezioni-tematiche/idra-2016. Contribution as co-author of two papers, oral presentation.
- Coastal Structures & Solutions To Coastal Disasters Joint Conference, Boston (Ma), 2015, September 9th – 11th. Website: http://www.copricoastalconference.org/. Contribution as coauthor of one paper.

	 34th International Conference on Coastal Engineering, Seoul (ROK), 2014, June, 15th – 20th. Website: http://icce2014.com/home/. Contribution as co-author of two papers, oral presentation. <i>Thesues</i> Project – Final Event meeting, Bruxelles (B), 2013, October 17th – 18th. Website: http://www.theseusproject.eu/finalconference. 7th International Conference on Coastal Dynamics, Arcachon (F), 2013, June 24th – 28th. Website: http://www.coastaldynamics2013.fr/. Poster presentation. 33rd Convegno di Idraulica e Costruzioni Idrauliche, Brescia (I), 2012, September 10th – 15th. Website: http://www.idra2012.it/. Oral presentation.
WORK EXPERIENCE	
Since February 2021	Project manager for the private company "No Gap Controls s.r.l." for the verification and audit of public projects of structures and infrastructural. 800 million euros of public projects verified to date, including: ports and harbours, roads, highways and railways, viaducts, bridges and public buildings such as schools, hospitals, etc.
From June 2015 to August 2015	Freelance activity of numerical modelling with SWMM of the hydraulic and water quality aspects on the urban drainage system of Cervia (RA).
• From January 2014 to May 2014	Freelance activity of vectorization and implementation in GIS environment of hardcopy archive databases of urban hydraulic and drainage networks.
Languages	
MOTHER TONGUE	Italian
ENGLISH	First Certificate of English (B2) University of Cambridge, ESOL Examinations
FRENCH	Diplôme d'études en langue française, DELF (A2) Alliance Française, Bologna
VISITING RESEARCH PERIODS	
• April 2014	Visiting researcher at TUDelft University, Delft, The Netherlands. Funded by funded by the Italian project "RitMare – Ricerca italiana per il Mare". Data collection activity to build up the Wave Overtopping Database, in cooperation with Prof. J. Van der Meer in the framework of the EurOtop team
November-December 2014	Visiting researcher at Aalborg University, Aalborg, Denmark. Funded by REDEM project through the FP 7 MARINET access. Experiments in the shallow water wave basin on mooring systems of wave energy converters. Cooperation with Prof. J. P. Kofoed.
PERSONAL SKILLS AND COMPETENCES	
SOCIAL SKILLS AND COMPETENCES	During my academic research activity, I have had the opportunity to co-operate within international projects (BRIGAID, THESEUS, MARINET and MERMAID), developing a good attitude to team working and a good degree of communicative skill.
	By participating to international conferences and presenting original papers, I have acquired the ability to speak before an audience and argument the results of my research.
	The frontal lessons hold during the tutoring activity taught me how to explain concepts adapting the topic and the language based on the audience target and experience.
ORGANISATIONAL SKILLS AND COMPETENCES	My Project Manager activity involves the role of coordinator and supervisor of multidisciplinary teams of people having different backgrounds, different experiences and working in various contexts.
	Within my academic activity I gained a 12-years' experience of co-supervising degree thesis (Civil and Environmental engineering), taking part and coordinating the research activities, the thesis drafting and the preparation of presentations by means of slides.
	I got experience in training and supporting students in preparing school tests and university exams gained through a collaboration with <i>Passepartout</i> cooperative (Bologna).

Informatics skills regarding numerical modelling, database management, drawing, GIS TECHNICAL SKILLS applications: AND COMPETENCES Operating sistems: Good • • Word processing: Excellent Electronic spreadsheet : Excellent • Data base administrators: Good . GIS: Good • CAD: Good • Programming languages known: Matlab (Excellent), C/C++ (Good), Fortran (Good) • OTHER SKILLS

AND COMPETENCES

Laboratory experience gained participating at lab experiments and activities at the shallow water basin at the University of Aalborg (DK) within the context of the project MARINET.

DRIVING LICENCE(S)

В

Bologna, March, 28th 2024,

Jao Mike In .