

CURRICULUM VITAE

PERSONAL INFORMATION

Name, Surname	NOTTI, Emilio
Address	
House number, street name, postcode, city, country	Via Striscioni, 54, 60027, Osimo, Italy
Telephone	+393298797550
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E-mail	e.notti@an.ismar.cnr.it
Website	
Nationality	Italian
Place and Date of birth	Ancona, 03/07/1979



WORK EXPERIENCE

	Position	TECHNOLOGIST, MECHANICAL ENGINEER
	Level	III
	Matr	15364
July 2013 onward		Technologist at National Research Council (CNR) – Institute of Marine Sciences (ISMAR), U.O.S. Ancona (Italy). Involved in technics and technologies for fishing gears, fishing vessels and deck machineries
Dec 2011–Jul 2013		Research fellow at National Research Council (CNR) – Institute of Marine Sciences (ISMAR), U.O.S. Ancona (Italy). Involved in technics and technologies for fishing gears, fishing vessels and deck machineries
March 2009–August 2010		Project manager and responsible of the R&D department at Claudioforesi srl.
March 2007–February 2009		Research fellow at National Research Council (CNR) – Institute of Marine Sciences (ISMAR), U.O.S. Ancona (Italy). Involved in research activity on safety on board fishing vessels

SUMMARY

Involved in energy saving in fisheries, fishing gear and fishing vessel technology development and engineering. More than ten years of experience in energy performance evaluation and energy audit of commercial fishing vessels. Expert in fishing gear design for bottom trawling and on the assessment of engineering performances of the fishing gears. Expert design and development of propulsion system and deck machineries for working boats and fishing vessels. Five years of experience in assessment of impact of fishing activity on marine ecosystem with a focus on seabed impact of bottom trawls. Five year of experience as technical consultant for regional and national authorities on technical regulation for fishing sector. Ten years of experience in technics and technologies for safety on board working boats and fishing vessels. Scientific responsible in national and international research project, in charge of technical and economic management of the project activities. Responsible for sea trials campaigns onboard research vessels for technical and engineering testing of fishing gears and technological development of deck machineries.

Extremely organized person, good abilities for synthetic and global views over concrete situations, end-oriented work capacity, problem-solving attitude, responsibility, self-respect and self-reliance strong referential values of fairness, equity and dignity, ability to establish and maintain good working relations with people of different national and cultural backgrounds, ability to live and/or serve in hardship locations.

PARTICIPATION IN EXPERT COMMITTEES AND COMMISSIONS

- July 2017–August 2017 Invited scientific expert for the recruitment process of three fisheries officer for positions P4 and P5 promoted by the Fisheries and Aquaculture Policy and Resources Division of FAO (vacancy numbers: IRC 4069; IRC 4070; IRC 4071)
- March 2016 Supervisor for two-degree thesis at the University of Naval Engineering (Genoa), for the Academic session 2014-2015.
- February 2016 Scientific expert at the international workshop “The role of science in fisheries management”, hosted by Blue Fish Europe, Brussels (25/01/2016)
- June 2012–July 2012 Independent scientific expert reviewer on behalf of the MIPAAF, Ministry of Agricultural and Fisheries (Italy) for the definition of a checklist for the evaluation of investments on board fishing vessels contrasting with Regulation (EC) No 1198/2006 art. 25 “Investments on board fishing vessels and selectivity”, par. 2 (Rif. Reg. Ministry of Agricultural and Fisheries nr. 4, 24/05/2012, prot. Nr. 120498).
- November 2011–May 2015 Scientific expert reviewer on behalf of the Regional Authority (Italy) for the technical analysis of modernization on board fishing vessels under the Council Regulation (EC) No 1198/2006 art. 25 “Investments on board fishing vessels and selectivity”, par. 2. (rif. Prot. N. 0768561, 21/11/2013).

INVITED LECTURER IN ADVANCED AND PROFESSIONAL COURSES

- March 2018 Invited independent scientific expert for the workshop “Workshop on Creating Capacity for Improvement in Fishing Licensing System” requested by the European Commission - Directorate-General Neighbourhood and Enlargement Negotiations, (March 19th-21st, 2018, Antalya, Turkey)
- October 2017 Invited lecturer on fishing vessel technology and fishing gear technology at the 7th International Master on “Sustainable Fisheries Management” (October 23th, 2017, Alicante, Spain)
- February 2017 Invited lecturer at the International Advanced Course “Technological solutions for reduction of discard in fisheries”, organised by the Mediterranean Agronomic Institute of Zaragoza (20-24/02/2017, Zaragoza, Spain).
- September 2014-May 2015 Invited as scientific expert for technical consultation to the East China Sea Fisheries Institute, Chinese Academy of Fisheries Sciences on fuel measurement and energy profiling in Chinese fisheries, according to the “Agreement for cooperation of energy saving in trawl fisheries”.
- April 2013 Lecturer at the training course at the National Institute of Oceanography and Fisheries (NIOF), Alexandria, Egypt, in fishing vessel technology and deck machineries.

**MEMBERSHIP OF
PROFESSIONAL SOCIETIES,
EDITORIAL BOARDS, SCIENTIFIC
WORKING GROUPS**

September 2014	Co-Chairman at the OCEANS'14 Congress (St John's, Canada, September the 18th, Fisheries session 2).
October 2013	Chair at the 15th International Congress of the International Maritime Association of the Mediterranean - IMAM 2013 (La Coruna, Spain, October the 17th, Fisheries session).
October 2013 onward	Member of the editorial board of The Journal of Ocean Technology (www.thejot.net)
April 2011 onward	Chair-invited member of the ICES/FAO Working Group on Fishing Technology and Fishing Behaviour (WGFTFB).

RESEARCH ACTIVITY

Research projects

Jun 2014 – onward	<p>Project title: Life+ EfficientShip "Demonstration of an innovative ORC module to improve the efficiency of European fishing vessels" – www.efficientship.eu - Grant agreement: LIFE13 ENV/FR/000851</p> <p>Role: Scientific responsible for CNR: Action leader of work package C related to technical, environmental and economic monitoring and assessment of the case study vessel. Action leader of work package B3 related to the technical training of the crew.</p>
Jan 2014 – Dec 2015	<p>Project title: DISCATCH "Pilot project on catch and discard composition including solutions for limitation and possible elimination of unwanted by-catches in trawl net fisheries in the Mediterranean" MARE/2012/24-Lot 2 financed by the EC Commission.</p> <p>Role: Analysis of morphology data for different species with FISHSELECT tool for the characterization and mathematical modelling of the selective properties of different netting materials.</p>
Mar 2013 – Oct 2014	<p>Project title: FORCE "Fisheries and aquaculture-Oriented Research Capacity in Egypt" - www.forceproject.eu - Grant agreement: 295004</p> <p>Role: Analysis of technical specification of Egyptian fishing gears. Modelling of main characteristics of geometrical performances of bottom trawl nets. Invited lecturer in a training course focused on innovation fishing vessel and gears technologies.</p>
Oct 2012 – onward	<p>Project title: BENTHIS: "Benthic ecosystem fisheries impact study" FP7-KBBE-2012-1.2-09 – www.benthis.eu - Grant agreement: 312088</p> <p>Role: Responsible of sea trials on board the R/V "G. Dallaporta" and commercial fishing vessels, and facility tests of experimental otterboards for reducing physical impact of bottom trawl fisheries on the seabed.</p>
Sep 2012 – Aug 2013	<p>Project title: Technical specifications of Mediterranean trawl gears (myGears)</p> <p>Role: Data collection of Mediterranean trawl gear. Literature review for technical modelling of fishing gear properties. Mathematical modelling of relationship between technical parameters of fishing nets. Development of modelling software for prediction of dynamics of fishing gears. Drafting of final report. Development of technical guides and forms for data collection.</p>

Mar 2012 – onward	<p>Project title: RITMARE “La Ricerca Italiana per il MARE” - www.ritmare.it</p> <p>Role: Leader of T1_AZ1_SA3: “Improvement and optimization of propulsion system for fishing vessels”. Analysis and characterization of the propulsion system of a fishing vessel. Technical evaluation of the solutions for improving efficiency of fishing vessel propulsion system.</p> <p>Leader of T1_AZ2_SA3: “Reduction of physical impact of bottom otter trawl fisheries on the benthonic ecosystem”</p>
Jul 2010 – Oct 2014	<p>Project title: ICEEF “Information Collection in Energy Efficiency for Fisheries” (Restricted invitation to tender IPSC/2011/04/01/NC) financed by the EC Commission, Joint Research Centre, Institute for the Protection and Security of the Citizen, Maritime Affairs Unit - Grant agreement: 256660</p> <p>Role: Information collection of technical details and solution for increasing energy efficiency in fisheries. Reporting of information collected. Definition and technical evaluation of potential improvements.</p>

List of selected publications

- Mellibovsky F., Prat J., Notti E., Sala A. 2018. Otterboard hydrodynamic performance testing in flume tank and wind tunnel facilities, *Ocean Engineering*, 149: 238-244, doi: 10.1016/j.oceaneng.2017.12.034
- Utizi K., Notti E., Sala A., Buzzi A., Rodella I., Simeoni U., Corbau C. 2018. Impact assessment of EMFF measures on Good Environmental Status (GES) as defined by Italy, *Marine Policy*, 88: 248-260, doi: 10.1016/j.marpol.2017.12.003.
- Lucchetti A., Notti E., Sala A., Virgili M. 2018. Multi-purpose use of side-scan sonar technology for fisheries science, *Canadian Journal of Fisheries and Aquatic Sciences*, in press, doi: 10.1139/cjfas-2017-0359
- Martelli M., Vernengo G., Bruzzone D., Notti E. 2017. Holistic Modeling of the Global Propulsion Energy Index in Waves for Small Craft. *International Society of Offshore and Polar Engineers, ISOPE (2017) 27 (04): 442-447, ISSN 1053-5381*
- Tsagarakis K., Carbonell A., Brčić J., Bellido J. M., Carbonara P., Casciaro L., Edridge A., García T., González M., Krstulović Š. S., Machias A., Notti E., Papanтониou G., Sala A., Škeljo F., Vitale S., Vassilopoulou V. 2017. Old Info for a New Fisheries Policy: Discard Ratios and Lengths at Discarding in EU Mediterranean Bottom Trawl Fisheries. *Frontiers in Marine Science*, 4, pp 99, doi: 10.3389/fmars.2017.00099
- Notti E., Lucchetti A., Sala A., 2017. Fishing gears in use: aspects of selectivity and energy saving (in Italian). In Marini, Bombace, Iacobone (eds) *The Adriatic Sea and its Resources*, Carlo Saladino Editore 2017, ISBN 978-88-95346-92-2: 163-174.
- Martelli, M., Vernengo, G., Bruzzone, D., & Notti, E., 2016. Overall Efficiency Assessment of a Trawler Propulsion System Based on Hydrodynamic Performance Computations. *International Society of Offshore and Polar Engineers*.
- Notti E., Moro F., Sala A., Leroux A., Roger A., Smague P., Leduc P. & Parke N., 2016. EfficientShip: A case study for the implementation of ORC technology on board European fishing vessels. In Guedes Soares, T.A. Santos, *Maritime Technology and Engineering III: Proceedings of the 3rd International Conference on Maritime Technology and Engineering (MARTECH 2016, Lisbon, Portugal, 4-6 July 2016)*, ISBN 9781138030008, pp: 1208.
- Lucchetti A., Kholeif S.E.A., Mahmoud H.H., Notti E., 2016. Towards sustainable fisheries management in emerging markets: An overview of properties, gaps and opportunities in Egypt. *Marine Policy*, 72: 1-10, doi:10.1016/j.marpol.2016.05.032
- Notti E, Brčić E, De Carlo F, Herrmann B, Lucchetti A, Virgili M, Sala A, 2016. Assessment of the Relative Catch Performance of a Surrounding Net without the purse line as an alternative to a traditional boat seine in small-Scale fisheries. *Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science*, 8(1): 81-91 doi: 10.1080/19425120.2015.1095827
- O'Neill FG, Kynoch RJ, Blackadder L, Fryer RJ, Eryaşar AR, Notti E, Sala A, 2016. The influence of twine tenacity, thickness and bending stiffness on codend selectivity. *Fisheries Research*, 176: 94-99.
- Gabiña G, Basurko OC, Notti E, Sala A, Aldekoa S, Clemente M, Uriondo Z, 2016. Energy efficiency in fishing: Are magnetic devices useful for use in fishing vessels? *Applied Thermal Engineering*, 94: 670-678, doi:10.1016/j.applthermaleng.2015.10.161.

- Mellibovsky F, Prat J, Notti E, Sala A, 2015. Testing otter board hydrodynamic performances in wind tunnel facilities. *Ocean Engineering*, 104: 52-62.
- Notti E, Sala A, 2014. Fuel saving and emission reduction in fisheries: results of the experimentation of a new magnetic device on board fishing vessel. 2014 *Oceans - St. John's*, St. John's, NL, 2014 ISBN 978-1-4799-4918-2. ISSN: 0197-7385: pp. 1-5.
- Notti E, Sala A, 2014. Propulsion system improvement for trawlers. In Guedes Soares, López Peña (eds) *Developments in Maritime Transportation and Exploitation of Sea Resources. Proceedings of the 15th International Congress of the International Maritime Association of the Mediterranean (La Coruña, 14-17 October 2013)*, ISBN 978-1-138-00124-4: pp 1085-1090.
- Notti E, Sala A, 2014. Information collection in energy efficiency for fisheries (ICEEF-3). Final Project Report to the European Commission - Joint Research Centre (JRC), Tender Contract IPSC/2011/04/01/NC Nr. 256660. ISBN 978-92-79-43855-4. ISSN 1831-9424. doi: 10.2788/1977: 87 pp.
- Notti E, De Carlo F, Brčić J, Sala A, 2013. Technical specifications of Mediterranean trawl gears. In Paschen (eds). *Contributions on the Theory of Fishing Gears and Related Marine Systems Vol. 8. Proceedings of the 11th International Workshop on methods for the development and evaluation of maritime technologies (Rostock, 9-12 October 2013)*, ISBN 978-3-8440-2251-3, ISSN 0945-0874
- Notti E., Sala, A., Martinsohn, J., Damalas, D., 2012. Effects of engine replacement on the fuel consumption reduction in fisheries. JRC Scientific and Policy Report prepared under ICEEF Service Contract Nr. 256660 by CNR-ISMAR, Ancona (Italy) for the Joint Research Center of the European Commission. 13 pp.

ADDITIONAL INFORMATION

Scientific profiles

ORCID: <http://orcid.org/0000-0002-0416-9634>

SCOPUS: www.scopus.com/authid/detail.uri?authorId=56045283900

RESEARCHER ID: www.researcherid.com/rid/E-9786-2014

SCHOLAR: <https://scholar.google.it/citations?user=Dmpld2YAAAAJ&hl=it&authuser=1>

RESEARCHGATE: https://www.researchgate.net/profile/Emilio_Notti

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H index SCHOLAR: 11

Mother tongue(s)	Italian				
Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B	B	B	B	B
	(self-assessment)				

Ancona, 06/03/2018

EMILIO NOTTI

