Ph.D. Angelo Odetti

Naval Architect and Marine Engineer - Researcher

Researcher

- angelo.odetti@cnr.it
- www.cnr.it/people/angelo-odetti
- ita,en,fr,es

Experience

01/07/2020 - current
CNR-INM
Via De Marini 6,
16149 Genova, Italy

Unmanned Marine Vehicles
Design and Field use

Researcher, National Research Council - INstitute of Marine Engineering (CNR-INM)

Research Activity:
- InnovaMARE project - Design of innovation for SWAMP vehicle
- Design of the General Layout and of Structural, Naval and Mechanical components of
SUSHI-DROP

Field Activity:

01/07/2013 - 30/06/2020
CNR-INM
Via De Marini 6,
16149 Genova, Italy
former
CNR-ISSIA
Via De Marini 6,
16149 Genova, Italy

Unmanned Marine Vehicles
Design and Field use

Research Associate, National Research Council - INstitute of Marine Engineering (CNR-I

Research Activity:
- Design of the General Layout and of Structural, Naval and Mechanical components of
SUSHI-DROP
- Design of the General Layout and of Structural, Naval and Mechanical components of the au-
tonomous catamaran SWAMP
- Mathematical Model of a hydrofoil ship and control design in the IBRHYDRO Project
- Design of water samplers and components for sampling in remote areas
- Design of robotic arms for underwater intervention
- Design of the General Layout and of Structural, Naval and Mechanical components of
hybdrid ROV-AUV within the RITMARE Flagship Project
- Design of the General Layout and of structural, naval and mechanical components of P2-ROV
within the POLE project
- Design of the General Layout and of structural, naval and mechanical components of
transformable UMV
- Design of the General Layout and of structural, naval and mechanical components of
Mini-Shark V1 and Mini-Shark V2
- Design of Azimuthal Propulsion Unit for the USV U-Swath within the RITMARE Flagship
- Design of Naval and mechanical of components for marine robotic vehicles ROV, various
USV, AUV, USSV
- Design of the Self-B, a small wheeled robot
- Design of a 3D printed robotic arm
- Study of methodologies for modelling, identification and control of hovercraft as part
search program ”Technologies and methodologies for monitoring of wetlands and shall
in coastal area”.
- Research And Development of Flaptons Patented system for the control of manoeuvri
generation of Hovercraft

Field Activity:
- Participation in the CNR-INM remote sensing campaign on the Roia river, Ventimiglia,
2019
- Participation to the CNR-ISSIA 2018 Arctic mission at Svalbard Archipelago (Norway)
- Participation to the CNR-ISSIA 2017 Arctic mission at Svalbard Archipelago (Norway)

01/07/2013 - 01/07/2015
MACP Hovercraft ltd
London street Office 5,
RG1 4QA Reading, UK

Hovercraft for
Work Purpose

Lead Engineer, MACP Hovercraft ltd

Activity:
- Development of Multipurpose Air Cushion Platforms, Research And Development of Flaptons
Patented system for the control of manoeuvring, stability and trim of Hovercraft, Development of
a Modular Propulsion System for Hovercraft, Project and realization of MACP prototypes, Project
of a SAR ambulance for Danube Delta based on MACP.

15/05/2011 - 01/07/2013
Hovertech ltd
kings Road,
RG1 4QA Reading, UK

Hovercraft
Oil Spill Response
Engineering

Project Engineer, Hovertech ltd

Activity:
- Project Engineer for Hovertech Ltd in European project HoverSpill, ”MultiEnvironment
ion Oil Spill Fast Response & Post Emergency Remediation System” 7th Framework Pro
(FP7). Development of Soft-Hull concept for working Hovercrafts in Arctic and Design
of structural and mechanical components. Development of new concept manoeuvring system
Supervision of construction.
- Development of new concept manoeuvring system. Supervision of construction.
- Small work boats design.

01/10/2006-01/11/2006
01/06/2007-01/08/2007
Bureau Veritas
Via P. Imperiale 4,
16126 Genova, Italy

Marine Survey
Ship Inspection

Internship:Trainee, Bureau Veritas

Activity:
- Marine Surveyor. Certification and rule compliance verification on existing vessels and n
costructions. Inspections, Special & Annual Survey, stability tests, Load-line survey

Education

2016–2020
Genova, Italy

Ph.d. in Sciences and technologies for electrical engineering, naval engineering and com
plex systems for mobility
Curriculum Naval Architecture and Marine Engineering (XXXII cycle),
Research task: Analysis and development of innovative Autonomous Surface Vehicles fo
remote areas and shallow water, DITEN University of Genova

2007–2010
Genova, Italy

2^{nd} level Degree in Marine Engineering and Naval Architecture
LM 34-37/S ; MSc, University of Genova

2003–2007
Genova, Italy

1^{st} level Degree in Marine Engineering and Naval Architecture
Bachelor Degree, University of Genova

1998–2003
Recco,GE, Italy

Diploma Liceo Scientifico PNI
Secondary School, Liceo Scientifico ”Nicoloso da Recco”

Training attended

02/09/2019-05/09/2019
Longyearbyen, Svalbard

Marine Remote Sensing Training Course,

26/08/2018-08/09/2018
Brasimone (BO), La Thuile (AO),
Italy

Corso ENEA di addestramento ed adattamento per il personale partecipante alla XXXIV
spedizione in Antartide,

03/03/2016
Oleggio (NO) Italy

3D printing advanced user course by 3ntr ,

10/19
Biograd Na Moru (Croatia)

Breaking The Surface 2019 12^{th} Field Workshop on Marine Robotics and Applications,

10/18
Biograd Na Moru (Croatia)

Breaking The Surface 2018 11^{th} Field Workshop on Marine Robotics and Applications,

10/17
Biograd Na Moru (Croatia)

Breaking The Surface 2017 10^{th} Field Workshop on Marine Robotics and Applications,

10/16
Biograd Na Moru (Croatia)

Breaking The Surface 2016 9^{th} Field Workshop on Marine Robotics and Applications,

10/15
Biograd Na Moru (Croatia)

Breaking The Surface 2015 8^{th} Field Workshop on Marine Robotics and Applications,

10/14
Biograd Na Moru (Croatia)

Breaking The Surface 2014 7^{th} Field Workshop on Marine Robotics and Applications,

10/13
Murter (Croatia)

Breaking The Surface 2013 6^{th} Field Workshop on Marine Robotics and Applications,

Qualifications

20/02/2012 Genova, Italy — Subscription to ”Ordine degli Ingegneri”, number 9969A, Ordine degli Ingegneri di Geno

07/2011 Genova, Italy — Professional Engineer qualification exam, Ordine degli Ingegneri di Genova

Skills and Information

Skills

Marine Engineering	Ship Architecture, Building, Hydrodynamics, Manoeuvrability, Mechanics, Systems, Simu Numerical Computation
Air Cushion Vehicles	General Design, Manoeuvrability, R&D
Robotics	AUV,ROV,USSV,USV and tools
Operative Systems	macOS, Windows, Linux
Programming	Fortran,Matlab & Simulink,Vba
CAD, FEM	Ansys,Rhinoceros,Solidworks
Manufacturing	3d print (Kisslicer), CAD-CAM (Camworks), CNC multifunction turn mill machine user
Naval softwares	Delftship, Archimedes
Additional	Office, LaTex, Html(& Dreamweaver) ,QGIS, Arduino

Language(s)

Italian	Mother tongue
English	Fluent
French	Notions
Spanish	Notions

Additional Information

ASSOCIATIONS	Treasurer, Member and co-founder of the Association Atena CUMANA
LICENCE(s)	Class B driver’s license
Soft Skills	Creative; enthusiastic; flessibile; innovator; proactive; teamwork

Scientific Career

01/09/2015 – 30/06/2020 Genova, Italy — Research Grant, CNR-ISSIA and CNR-INM

Research grant to carry out research activities within the PRIN MARIS ”Progetto Bandiera” RITMARE and activities related to the research program ”Autonomous robotic and control” SP.P03.003. Type di Assegno: ”Assegni Professionalizzanti”, at CNR-ISSIA UOS di Genova
Bando CNR-ISSIA-AR-GE-003-2015
Prot. n. 925 del 26/05/2015
Contratto Prot.n. 1249 del 03/08/2015

01/07/2013 – 01/07/2015 Genova, Italy — Research Grant, CNR-ISSIA

Study of methodologies for modelling, identification and control of hovercraft as part of the re search program ”Technologies and methodologies for monitoring of wetlands and shall in coastal area”. Financed from the Program PO CRO Fondo Sociale Europeo Regione Ligu 2007-2013 Asse IV (”Capitale Umano”) obiettivo specifico I/6 inerenti le aree di attività in cui operano Poli di ricerca e innovazione e i Distretti Tecnologici Ligure). Type di Assegno: ”Assegni Profes-sionalizzanti”, at CNR-ISSIA UOS di Genova
Bando CNR-ISSIA-AR-GE-002-2013
Prot. n. 168 del 19/02/2013 e rettifica Prot. 351 del 28/03/2013
Contratto Prot.n. 765 del 10-06-2013

Journal Publications

> A. Odetti, G. Bruzzone, M. Altosole, M. Viviani, and M. Caccia, Sarcomap, an autonomous surface vehicle expressly design extremely shallow waters, Ocean Engineering, 216:108205, 2020. ISSN 0029-8018. doi: https://doi.org/10.1016/j.oceaneng.2020.108205. URL http://www.sciencedirect.com/science/article/pii/S0029801820311318

> L. Pasculli, V. Piermattei, A. Madonia, G. Bruzzone, M. Caccia, R. Ferretti, A. Odetti, and M. Marcelli. New cost-ef
gies applied to the study of the glacier melting influence on physical and biological processes in kongsfjorden
J. Mar. Sci. Eng., 8(8):593, 2020

> G. Bruzzone, A. Odetti, M. Caccia, and R. Ferretti. Monitoring of sea-ice-atmosphere interfacein the proximity of
glaciers: The contribution of marine robotics. Remote Sensing, 12(11):1707, 2020

> M. Bibuli, A. Odetti, and E. Zereik. Adaptive steering control for an azimuth thrusters-based autonomous vessel. Journal of
Marine Engineering & Technology, 19(sup1):76–91, 2020

> A. Odetti, M. Altosole, G. Bruzzone, M. Caccia, and M. Viviani. Design and construction of a modular pump-jet thruster
autonomous surface vehicle operations in extremely shallow water. Journal of Marine Science and Engineering, 7(7):222, 2

> G. Bruzzone, A. Odetti, and M. Caccia. Remote data collection near marine glacier fronts - unmanned vehicles for au
sensing, sampling in the north pole. Sea Technology, 59(3):22–26, 2018. doi: 10.1007/s11370-011-0103-x

> V. Piermattei, A. Madonia, S. Bonamano, R. Martellucci, G. Bruzzone, R. Ferretti, A. Odetti, M. Azzaro, G.e Zappa
celli. Cost-effective technologies to study the arctic ocean environment. Sensors, 18(7):2257, 2018c

> E. Simetti, F. Wanderlingh, S. Torelli, M. Bibuli, A. Odetti, G. Bruzzone, D. L. Rizzini, J. Aleotti, G. Palli, L. Moriello,
Autonomous underwater intervention: Experimental results of the maris project. IEEE Journal of Oceanic Engineering, 43(3):
620–639, July 2018. ISSN 2373-7786. doi: 10.1109/JOE.2017.2733878

> G. Casalino, M. Caccia, S. Caselli, C. Melchiorri, G. Antonelli, A. Caiti, G. Indiveri, G. Cannata, E. Simetti, Torelli, A. Sperindè,
F. Wanderlingh, G. Muscolo, M. Bibuli, G. Bruzzone, E. Zereik, A. Odetti, E. Spirandelli, A. Ranieri, J. Aleotti, D. Lodi Rizzini,
F. Oleari, F. Kallasi, G. Palli, U. Scarcia, L. Moriello, and E. Cataldi. Underwater intervention robotics: An outline of the ita
national project maris. Marine Technology Society Journal, 50(4):98–107, 2016

Patents

> WO2015087256 - STEERING SYSTEM FOR A PROPELLER-DRIVEN VEHICLE,
Italian Patent: GE2013A000120, Dicember 2013;
PCT Patent: PCT/IB2014/066761, March 2015

> ”Flaptons su Veicoli, Sistema di governo di un veicolo con propulsione ad elica”,
Italian Patent: GE2014A000018, February 2014

Conference Publications

> A. Odetti, M. Altosole, M. Bibuli, G. Bruzzone, M. Caccia, R. Ferretti, E. Zereik, and M. Viviani. A highly controllable asv for
extremely shallow waters. In Proc. of the 12th Symposium on High-Performance Marine Vehicles HIPER’20, Cortona
pages 225–238. Technische Universität Hamburg, 2020b

> A. Odetti, M. Altosole, M. Bibuli, G. Bruzzone, M. Caccia, and M. Viviani. Advance speed-hull-pump-jet interactions in sm
asv. In Proceedings of 12th Symposium on High Speed Marine Vehicle (HSMV) Conference, Naples, Italy, volum
2020a

> A. Odetti, Gi. Bruzzone, Ma. Caccia, R. Ferretti, E. Spirandelli, and G. Bruzzone. Design, development and testing at field of
a modular mini automatic water sampler (maws) based on magnetic activation. In OCEANS 2019-Marseille, pages 1–8. IEEE,
2019c

> A. Odetti, M. Altosole, G. Bruzzone, M. Viviani, and M. Caccia. A new concept of highly modular asv for extremel
applications. IFAC-PapersOnLine, 52(21):181–186, 2019b

> M. Caccia, M. Bibuli, G. Bruzzone, and A. Odetti. Mathematical models for cooperative modeling, identification and ngc of
autonomous marine vehicles. In Proc. of the eight Conference on Computational Methods in Marine Engineering (Mar
Gothenburg, Sweden, 2019a

> L. Antognoli, M. Bibuli, D. Diez, M. Durante, S. Ficini, S. Marrone, A. Odetti, I. Santic, and A. Serani. A synergetic
passenger-hydrofoil flapped surface: Experimental and computational fluid dynamics, optimization, and contr
of the 8th International Conference on Computational Methods in Marine Engineering (Marine 2019), pages 3

> M. Caccia, R. Ferretti, A. Odetti, A. Ranieri, G. Bruzzone, E. Spirandelli, and G. Bruzzone. Marine robotics for sam
interface in the arctic region. In Geophysical Research Abstracts, EGU General Assembly 2019, Vienna, volume 21,

> M. Caccia, R. Ferretti, A. Odetti, G. Bruzzone, M. Spagnuolo, M. Mortara, ..., and R. Bono. Robotics and adaptive sampling
techniques for harbor waters monitoring: the matrac-andromeda project. In OCEANS 2019-Marseille, pages 1–8. IEEE, 2019b

> R. Ferretti, M. Bibuli, G. Bruzzone, M. Caccia, A. Odetti, M. Coltorti, and A. Romoli. posidonia oceanica monitoring
means of autonomous underwater vehicles to study the effects of anthropogenic impacts on marine ecosyste
Research Abstracts, EGU General Assembly 2019, Vienna, volume 21, 2019

> G. Bruzzone, A. Odetti, M. Bibuli, M. Caccia, E. F. Campana, and C. Lugni. U-swath: An innovative usv design towards the
extended ship. In Proc. of the 14th International Naval Engineering Conference and Exhibition (INEC 2018), Inter
Control Systems Symposium (iSCSS), volume 2, pages 46–53, October 2018b

> M. Bibuli, G. Bruzzone, Gi. Bruzzone, M. Caccia, G. Camporeale, D. Chiarella, R. Ferretti, M. Giacopelli, A. Odetti, A. Ranieri,
E. Spirandelli, and E. Zereik. An advanced guidance & control system for an unmanned vessel with azimuthal thru
Proc. of the 14th International Naval Engineering Conference and Exhibition (INEC 2018), International Ship C
Symposium (iSCSS), volume 2, page 4, 2018

> A. Odetti, M. Altosole, M. Caccia, M. Viviani, and G. Bruzzone. Wetlands monitoring: Hints for innovative autonomous surface vehicles design. Technology and Science for the Ships of the Future: Proceedings of NAV 2018: 19th International Conference on Ship and Maritime Research, 1(1):1014–1021, 2018a

> G. Bruzzone, A. Odetti, M. Bibuli, M. Caccia, D. Calcagni, L. Santic, C. Lugni, and E. Campana. U-swath the innovative cnr research usv. In Technology and Science for the Ships of the Future: Proceedings of NAV 2018: 19th International Conference on Ship & Maritime Research, page 115. IOS Press, 2018a

> V. Piermattei, A. Madonia, S. Bonamano, R. Martellucci, G. Bruzzone, R. Ferretti, A. Odetti, M. Azzaro, G. Zappalà, and M. Marcelli. Application of a low-cost instrumentation in arctic extreme conditions. In Proceedings of the 4th International Electronic Conference on Sensors and Applications, pages 15–30. Multidisciplinary Digital Publishing Institute, 2017

> A. Odetti, M. Bibuli, Gi. Bruzzone, M. Caccia, E. Spirandelli, and G. Bruzzone. e-urope: a reconfigurable auv/rov for man-robot underwater cooperation. IFAC-PapersOnLine, 50(1):11203–11208, 2017a

> R. Ferretti, M. Bibuli, M. Caccia, D. Chiarella, A. Odetti, A. Ranieri, E. Zereik, and Ga Bruzzone. Towards posidonia meadows detection, mapping and automatic recognition using unmanned marine vehicles. IFAC-PapersOnLine, 50(1):12386–12391, 2017

> R. Ferretti, M. Bibuli, M. Caccia, D. Chiarella, A. Odetti, A. Ranieri, E. Zereik, and G. Bruzzone. Learning methods for acoustic-based automatic posidonia meadows detection by means of unmanned marine vehicles. In OCEANS 2017-Aberdeen, pages 1–6. IEEE, 2017a

> A. Odetti, Gi. Bruzzone, M. Caccia, E. Spirandelli, and G. Bruzzone. P2-rov a portable/polar rov. In OCEANS 2017-Aberdeen, pages 1–6. IEEE, 2017b

> M. Bibuli, G. Bruzzone, M. Caccia, A. Odetti, G. Indiveri, R. Ingrosso, and G. Casalino. Practical identification procedure for unmanned underwater vehicles—from modeling to experiments. OCEANS 2017-Aberdeen, pages 1–6. IEEE, 2017b

> M. Bibuli, G. Bruzzone, M. Caccia, D. Chiarella, R. Ferretti, A. Odetti, A. Ranieri, and E. Zereik. Caddy project – how robots get close to divers. Proc. of the 2nd Naval and Maritime Culture Conference (CNM), Genova (Italy), 22-23 September, ISSN 978-8-8679-7900-4

> G. Bruzzone, A. Argentieri, Gi. Bruzzone, M. Caccia, M. Giacopelli, A. Odetti, E. Spirandelli, P. Soria, M. Azzaro, G. Bonasoni, G. Zappalà. Unmanned vehicles for autonomous sensing and sensing. Proc. of ARCA (ARctic present Climatic change and possible extreme events) Final Conference, Rome, 2016b

> A. Odetti, M. Bibuli, G. Bruzzone, M. Caccia, A. Ranieri, and E. Zereik. Cooperative robotics – technology for future underwater cleaning. Proc. of the 1st Conference on Hull Performance and Insight Conference, HullPIC'16, Castello di Pavone, pages 163–177, 2016

> M. Bibuli, G. Bruzzone, D. Chiarella, M. Caccia, A. Odetti, A. Ranieri, E. Saggini, and E. Zereik. Underwater robotics for diver operations support: the caddy project. Proc. of the 15th Conference on Computer Applications and Information Technology in the Maritime Industries. COMPIT'16 Lecce (Italy), 1(1):99–109, 2016

> A. Odetti and M. Mastrangeli. A shockproof hull made of foam: a useful project for operations on uneven ice. In The 26th International Ocean and Polar Engineering Conference. International Society of Offshore and Polar Engineers, 2016

> A. Odetti and M. Mastrangeli. Investigation into the steering ability problems of compact hovercrafts. Proc. HMM 2015 Conference, 1:135––142, 2015a

> A. Odetti and M. Mastrangeli. Multipurpose air cushion platform. NAV 2015 18th International Conference on Ship, 1:49–58, 2015b

> A. Sorbara, A. Odetti, M. Bibuli, E. Zereik, and G. Bruzzone. Design of an obstacle detection system for marine autonomous vehicles. In OCEANS 2015-Genova, pages 1–8. IEEE, 2015

> M. Mastrangeli, A. Odetti, and Set al. Sanguineti. Hoverspill: a new amphibious vehicle for responding in difficult-to-access sites. International Oil Spill Conference Proceedings, 2014(1):649–659, 2014. doi: 10.7901/2169-3358-2014.1.649

Poster Publication

> A. Odetti, G. Bruzzone, M. Bibuli, R. Ferretti, E. Zereik, and M. Caccia. Innovative asv for the monitoring of anthropoge pressure on wetlands. In Geophysical Research Abstracts, volume 22, 2020. doi: https://meetingorganizer.copernicus.org/ EGU2020/EGU2020-11920.html

> L. Pasculli, V. Piermattei, A. Madonia, G. Bruzzone, A. Odetti, R. Ferretti, and S. Bonamano. Study of glaciers melting impacts on physical and biological processes through the application of cost-effective technology in the kongsfjorden (sva Geophysical Research Abstracts, volume 21, 2019

> A. Odetti, M. Caccia, R. Ferretti, A. Ranieri, M. Azzaro, G. Caruso, G. Zappalà, F. Carotenuto, A. Zaldei, A. Viola, A. Madonia, M. Marcelli, V. Piermattei, and G. Bruzzone. Unmanned vehicles for autonomous sensing and sampling 2017 s In SCAR/IASC Open Science Conference POLAR 2018, 2018b

> M. Azzaro, R. La Ferla, G. Maimone, F. Azzaro, G. Caruso, A. Cabral, R. Paranhos, E. Crisafi, M. Caccia, R. Ferretti, A. Odetti, G. Zappalà, and G. Bruzzone. Automatic sampling near an arctic glacier: first microbial results. In SCAR/IASC Open Science Conference POLAR 2018, 2018a

> M. Azzaro, G. Zappalà, R. La Ferla, S. Miserocchi, T. Tesi, G. Maimone, G. Caruso, R. Ferretti, A. Odetti, F. Azzaro S. Bonamano, V. Piermattei, M. Marcelli, D. Piazzolla, A. Cosenza, A. C. Rappazzo, M. Furnari, and G. Bruzzone. Microbial metabolism in front of kongsfjorden glacier. In SCAR/IASC Open Science Conference POLAR 2018, 2018b

> M. Ferretti, R. Caccia, A. Odetti, F. Ranieri, A. Carotenuto, A. Zaldei, and G. Viola, A. Bruzzone. Water-air column in arctic region using unmanned vehicles. In SCAR/IASC Open Science Conference POLAR 2018, 2018a

> V. Piermattei, A. Madonia, S. Bonamano, G. Martellucci, R. Bruzzone, R. Caccia, C. Ferretti, A. Odetti, M. Azzaro, Preliminary results of an experimental survey in kongsfjorden area. In SCAR/IASC Open Science Conference P

> R. Ferretti, M. Caccia, A. Odetti, A. Ranieri, F. Carotenuto, A. Zaldei, and G. Bruzzone. Exploitation of an unmann to characterize the air-sea interface near glacier fronts in the arctic region. In EGU General Assembly Conference Abstract volume 20, page 6753, 2018b

> V. Piermattei, A. Madonia, S. Bonamano, G. Martellucci, R. Bruzzone, R. Caccia, C. Ferretti, A. Odetti, E. Fiori, an Low-cost technological advances supporting the assessment of anthropogenic pressures on marine ecosyster Assembly Conference Abstracts, volume 20, page 8217, 2018b

> M. Demarte, R. Ivaldi, L. Sinapi, G. Bruzzone, M. Caccia, A. Odetti, A. Fontanelli, G. and Masini, and L. Sinerone. tools for integrated bathymetric survey. In EGU General Assembly Conference Abstracts, volume 19, page 13651, 20

> A. Bruzzone, G. Odetti, M. Azzaro, G. Caruso, and G. Zappalà. Water sampling in the front of glaciers in the kongsfjorde means of an unmanned surface vehicle. In Remote Controlled and Autonomous Measurement Platforms Flagship Wo ReCamp, Tromsoe(Norway), 2016a

> A. Petitti, D. Di Paola, R. Colella, C. Patruno, M. Ianigro, A. Milella, R. Maglietta, M. Bibuli, L. Caviglione, D. Chiare A. Ranieri, E. Zereik, M. Caccia, and G. Bruzzone. The mavis system: Towards the use of marsupial robotic net sensing in polar regions. In IEEE International Conference on Robotics and Automation, ICRA 2016, Stockholm (Sw

> A. Odetti, M. Bibuli, E. Zereik, M. Caccia, and G. Bruzzone. Studio di metodologie per la modellazione, l'identificazione e il controllo di hovercraft. In TICASS La ricerca che crea innovazione per un futuro sostenibile, Genova (Italy), 2015

Scientific Council

> Track editor, Special issue of Journal of Marine Science and Engineering (ISSN 2077-1312).
This special issue belongs to the section "Ocean Engineering" of the JMSE

> Invited Session e Chairman "Development and Exploitation of Marine Robotic System"
ISCSS part of INEC 2018, Glasgow, UK, 2-4 October 2018

> Track Editor, Chairman at ReCAMP Flagship Workshop,
Tromsø, Norway, 5–6 April 2016

> Member of the Scientific committee of the convention "Cultura Navale e Marittima 2", CNM2, Genova (Italy), Septembe

Prices

> ReCamp Short Term Scientific Mission Application (08/07/2016)
ReCamp Project, Norut Northern Research Institute, Ref IT2615/604/16/RST
For the proposal "Automatic sampling and measurements of biological parameters at sea and atmospheric pa of the Kronebreen glacier in the Kongsfjorden"
Price amount 25000 NOK

Invited Participations

> Invited Presentation:
Angelo Odetti - ”Research Innovation and applications of Marine Robotics”
Intervention at SeaBootCamp, Rome, October 2019

> Invited Presentation:
Angelo Odetti - ”Research in Arctic: Technological and scientific innovations”
Speech at the World Congress of Science Journalists within the MAECI Boot, Lausanne (CH), July 2019

> Invited Presentation:
Angelo Odetti - ”Naval Engineer, creator of innovative vehicles …”
Speech at the Researcher’s Day in the context of the Science Festival, Genoa, October 2019”

> Invited Presentation:
Participation in the ”FOCUS LIVE” event, Genoa, 1-2 June 2019 with presentation of the research activities

> Invited Presentation:
Angelo Odetti - ”Robotica, la sfida agli ambienti estremi”
Navigando 2018 - Programma di avvicinamento alla conferenza NAV 2018

> Invited Presentation:
Angelo Odetti - ”Robotics in extreme environment”
ERL Emergency Robots 2017, 15-23 Settembre, Piombino(Italia)

> Invited Presentation:
Massimo Caccia, Angelo Odetti (CNR - ISSIA) - ”Robotic Applications in Polar Regions”
Rovereto 2017 – PEI – Polar Educators International

> Invited Judge :
First Local Tournament on the ERL Emergency Robots (ERL-ER) challenge
Centre for Maritime Research and Experimentation STO CMRE, ERL Emergency Robots (ERL-ER) challenge, 14-20 July 2018 La Spezia (Italia)

> Invited Judge :
European Robotics League (ERL) Emergency Robots 2019 Local Tournament will take place at the NATO Cent
Research and Experimentation (CMRE), formerly known as NATO Undersea Research Centre (NURC), La Spezi
July to 19 July 2019.

> Lecturer:
Angelo Odetti - ”Mechanical design and construction”
Excellabust (Excelling Labust in Marine Robotics), Grant Agreement 601980 H2020-EU-4.b. - Twinning of research institutions
Lecturer nella tematica relativa all’attività di formazione che si terrà nell’ambito del Progetto Europeo Excellabust (Excellin
Labust in Marine Robotics), Grant Agreement 601980

Invited Demonstrations

> Participation in the Communication festival, Camogli, Italy, September 2019 with presentation of research activities o
SWAMP vehicle and Imitation Learning experiment with involvement of the public in a laboratory set up on a

> Breaking The Surface 2017
10th Field Workshop on Marine Robotics and Applications, Biograd Na Moru (Croatia), 10/17
POP ART (PORTABLE PELAGIC AUTONOMOUS ROBOTIC TECHNOLOGY) CONCEPT and FIELD DEMONSTRATION

> Breaking The Surface 2016
9th Field Workshop on Marine Robotics and Applications, Biograd Na Moru (Croatia), 10/16
CNR equipment and softwares at Breaking the Surface 2016

> Breaking The Surface 2015
8th Field Workshop on Marine Robotics and Applications, Biograd Na Moru (Croatia), October 2015

Other activities

> Expert Teacher in the PON Program:
”Programmare imparando”, FSE - Pensiero computazionale e cittadinanza digitale
Modulo1:Dal coding ai robot (B), Istituto:CEIC817003 - IC CAMPOMORONE CERANESI
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