

PERSONAL INFORMATION

Stefania A. Ciliberti



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Sex Female | Date of birth 18/03/1982 | Nationality Italian

WORK EXPERIENCE

06/2012–Present

Scientist

Fondazione Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC), Ocean Predictions and Applications Division (OPA), Lecce (Italy)
www.cmcc.it, <http://www.cmcc.it/oceanlab/>

- Leader of the "Research and Innovations in Forecasting" research group at OPA Division
- Deputy Leader of the Black Sea Monitoring and Forecasting Centre in the frame of Copernicus Marine Environment and Monitoring Service (<http://marine.copernicus.eu>) and Responsible for R&D activities for the BS-PHY NRT system
- Leading the research activities on the numerical model development, design and implementation of operational procedures for the new operational systems for the Black Sea (BSFS - Black Sea Forecasting System - <http://oceanlab.cmcc.it/blacksea/>) and the Central Mediterranean (AIFS - Adriatic-Ionian Forecasting System - <http://oceanlab.cmcc.it/aifs/>).
- Leading the activities on the design and implementation of operational procedures for the new Global Ocean Forecasting Systems (GOFs16) in collaboration with CMCC Ocean and Data Assimilation (ODA) Division Research Group, collaborating on the pre-operational assessment of regional relocatable NEMO-based systems in collaboration with University of Bologna - SINCEM Laboratory Research Group.
- Deputy Technical Representative of Met-Ocean Services at OPA Division
- Permanent Representative of Italy within the World Meteorological Organisation (WMO) for the Global Data Processing and Forecasting Systems Group and Member of its Steering Group
- Member of Joint Technical Commission for Oceanography and Marine Meteorology (JCOMM)
- Member of Expert Team on Operational Ocean Forecast Systems (ETOOFS) in JCOMM
- Task Leader on Prototype Toolbox in the framework of H2020 IMMERSE Project (2019-2022)

Business or sector Research & Development

03/2009–04/2012

Fellowship Researcher

Universita' della Calabria, Dipartimento di Difesa del Suolo, Fluid Dynamics Laboratory, Arcavacata di Rende (Cosenza) (Italy) www.unical.it

Participating the design, development and parallel implementation of numerical algorithms for the numerical integration of the Navier-Stokes equations on multicore and hybrid architectures in the framework of Ecopyrogas-Industria 2015 Project.

Business or sector Research & Development

11/2007–02/2009

Junior Engineer

Centro di Supercalcolo per l'Ingegneria Computazionale, NEC Italia S.p.A. and University of Calabria, Arcavacata di Rende (Cosenza) (Italy) www.unical.it

- Development of a model for simulating floods over complex topographies, based on the numerical

integration of the shallow water equations, using finite volume methods on 2D unstructured grids.

- Design, development and implementation of numerical algorithms for vector/parallel architectures, suitable for NEC SX and TX supercomputers, for the numerical integration of the shallow water equations.
- High performance computing techniques for simulating urban floods on multi-processors architectures using OpenMP and MPI libraries.

Business or sector Research & Development

07/2007–10/2007 **Research Scholar**

Universita' della Calabria, Dipartimento di Difesa del Suolo, Laboratorio di Modellistica Numerica per la Protezione Idraulica del Territorio (LAMPIT), Arcavacata di Rende (Cosenza) (Italy) www.unical.it

- Design and implementation of numerical algorithms for Hydraulics Engineering applications.

EDUCATION AND TRAINING

11/2007–02/2012 **Ph.D. Degree in Hydraulics Engineering (Dottorato di Ricerca in Ingegneria Idraulica per l'Ambiente ed il Territorio, XXIII Ciclo)** EQF level 8

Universita' della Calabria, Facolta' di Ingegneria, Dipartimento di Difesa del Suolo, Arcavacata di Rende (Cosenza) (Italy)

Ph.D. Thesis Title: *Coherent Structures of Turbulence in Wall-Bounded Turbulent Flows*. The thesis defines an advanced methodology for studying and controlling turbulence in the wall region of a turbulent channel flow using the High Performance Direct Numerical Simulation.

Research fields: Computational Fluid Dynamics, Numerical Modelling, Turbulence, Direct Numerical Simulation, Vortical Structures and Turbulent Events, Parallel Computing, GPU Computing.

10/2004–05/2007 **M.Sc. Degree cum laude in Environmental Engineering (Laurea Specialistica cum laude in Ingegneria per l'Ambiente ed il Territorio)** EQF level 7

Universita' della Calabria, Facolta' di Ingegneria, Arcavacata di Rende (Cosenza) (Italy)

Field Thesis (in Italian): *Sviluppo di un codice bidimensionale ai volumi finiti su griglie non strutturate finalizzato allo studio delle inondazioni*. The thesis is based on the design and development of a novel computational model for the numerical integration of the shallow water equations on unstructured grids for simulating dam break phenomena.

Research fields: Numerical Modelling, Finite Volume Methods, Unstructured Grids, Hydraulics, Hydrology, Floods, Risk Assessment.

B.Sc. Degree cum laude in Environmental Engineering (Laurea Triennale cum laude in Ingegneria per l'Ambiente ed il Territorio) EQF level 6

Universita' della Calabria, Facolta' di Ingegneria, Arcavacata di Rende (Cosenza) (Italy)

Field Thesis (in Italian): *Analisi di sensitività delle equazioni per la stima dell'evapotraspirazione potenziale*. The thesis focused on the sensibility analysis of empirical equations used for estimating evapotranspiration rate of Southern Italy.

Research fields: Hydrology, Hydraulics, Numerical Modelling of Water Balance, Water Resources Management and Risk Assessment.

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)	UNDERSTANDING	SPEAKING	WRITING

	Listening	Reading	Spoken interaction	Spoken production	
English	B2	C1	B2	B1	C1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills Very good communication skills gained during my academic and professional experiences, excellent written abilities in scientific and technical stuffs, speaking in public to groups addressed to both expert and non expert audiences

Organisational / managerial skills Very good abilities to lead and organize working groups, to evaluate performances and processes in scientific and operational frameworks, to prioritize and operate proactively, to efficiently organise personal tasks into team working. Actually, I'm leading a small group of researchers and technicians (2-5 persons).

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Independent user	Proficient user

Digital competences - Self-assessment grid

High practice on:

- Operating system: Unix-like OS
- Programming languages: Fortran, C/C++, Matlab, Python
- Supercomputing systems: NEC SX6, NEC TX7, Linux clusters (CPU/GPU), IBM clusters
- Scientific data format and tools: NetCDF, NCO, CDO
- Microsoft Office tools (Word, Excel, Power Point)
- Scientific visualization: NCL NCAR Graphics, Paraview, Matlab, Tecplot
- Programming environment: Eclipse, Matlab, Visual Studio, Python
- Numerical libraries: Intel Math Kernel Libraries, FFTW
- Parallel libraries: OpenMP, MPI, NVIDIA CUDA

ADDITIONAL INFORMATION

Atanas Palazov, Stefania Ciliberti, Elisaveta Peneva, Marilaure Gregoire, Joanna Staneva, Benedicte Lemieux-Dudon, Simona Masina, Nadia Pinardi, Luc Vandenbulcke, Arno Behrens, Leonardo Lima, Giovanni Coppini, Veselka Marinova, Violeta Slabakova, Rita Lecci, Sergio Creti, Francesco Palermo, Laura Stefanizzi, Nadezhda Valcheva and Paola Agostini, 2019, **Black Sea Observing System**, Front. Mar. Sci., 19 June 2019 | <https://doi.org/10.3389/fmars.2019.00315>

Stefania Ciliberti, Eric Jansen, Laura Stefanizzi, Elisaveta Peneva, Leonardo Lima, Simona Masina, Giovanni Coppini, 2019, **Black Sea Analysis and Forecast Quality Information Document**, <http://marine.copernicus.eu/documents/QUID/CMEMS-BS-QUID-007-001.pdf> [Online publication]

Nadia Pinardi, Johan Stander, David M. Legler, Kevin O'Brien, Tim Boyer, Tom Cuff, Pierre Bahurel, Mathieu Belbeoch, Sergey Belov, Shelby Brunner, Eugene Burger, Thierry Carval, Denis Chang-Seng, Etienne Charpentier, S. Ciliberti, Giovanni Coppini, Albert Fischer, Eric Freeman, Champika Gallage, Hernan Garcia, Lydia Gates¹⁷, Zhiqiang Gong, Juliet Hermes, Emma Heslop, Sarah Grimes, Katherine Hill, Kevin Horsburgh, Athanasia Iona, Sebastien Mancini, Neal Moodie, Mathieu Ouellet, Peter Pissierssens, Paul Poli, Roger Proctor, Neville Smith, Charles Sun, Val Swail, Jonathan Turton and Yue Xinyang, 2019, **The Joint IOC (of UNESCO) and WMO Collaborative Effort for Met-Ocean Services**, Front. Mar. Sci., 02 August 2019 | <https://doi.org/10.3389/fmars.2019.00410>

Pierre Yves Le Traon, Antonio Reppucci, Enrique Alvarez Fanjul, Lotfi Aouf, Arno Behrens, Maria Belmonte, Abderrahim Bentamy, Laurent Bertino, Vittorio Ernesto Brando, Matilde Brandt Kreiner, Mounir Benkiran, Thierry Carval, Stefania A. Ciliberti, Hervé Claustre, Emanuela Clementi, Giovanni Coppini, Gianpiero Cossarini, Marta De Alfonso Alonso-Muñoyerro², Anne Delamarche¹, Gerald Dibarboure¹³, Frode Dinessen¹⁴, Marie Drevillon¹, Yann Drillet, Yannice Faugere, Vicente Fernández, Andrew Fleming, M. Isabel Garcia-Hermosa, Marcos García Sotillo, Gilles Garric, Florent Gasparin, Cedric Giordan, Marion Gehlen, Marilaure L. Gregoire, Stephanie Guinehut, Mathieu Hamon¹, Chris Harris, Fabrice Hernandez, Jørgen B. Hinkler, Jacob Hoyer, Juha Karvonen, Susan Kay, Robert King, Thomas Lavergne, Benedicte Lemieux-Dudon, Leonardo Lima, Chongyuan Mao, Matthew J. Martin, Simona Masina, Angélique Melet, Bruno Buongiorno Nardelli, Glenn Nolan, Ananda Pascual, Jenny Pistoia, Atanas Palazov, Jean Francois Piolle, Marie Isabelle Pujol, Anne Christine Pequignet, Elisaveta Peneva, Begoña Pérez Gómez, Loic Petit de la Villeon, Nadia Pinardi, Andrea Pisano, Sylvie Pouliquen, Rebecca Reid, Elisabeth Remy, Rosalia Santoleri, John Siddorn, Jun She, Joanna Staneva, Ad Stoffelen, Marina Tonani, Luc Vandenbulcke, Karina von Schuckmann, Gianluca Volpe, Cecilie Wettre and Anna Zacharioudaki, 2019, **From Observation to Information and Users: The Copernicus Marine Service Perspective**, Front. Mar. Sci., 22 May 2019 | <https://doi.org/10.3389/fmars.2019.00234>

Sandrine Mulet, Bruno Buongiorno Nardelli, Simon Good, Andrea Pisano, Eric Greiner, Maeva Monier, Emmanuelle Autret, Lars Axell, Fredrik Boberg, Stefania Ciliberti, Marie Drévillon, Riccardo Droghei, Owen Embury, Jérôme Gourrion, Jacob Høyer, Mélanie Juza, John Kennedy, Benedicte Lemieux-Dudon, Elisaveta Peneva, Rebecca Reid, Simona Simoncelli, Andrea Storto, Jonathan Tinker, Karin von Schuckmann and Sarah L. Wakelin: **Ocean Temperature and Salinity**, in **Copernicus Marine Service Ocean State Report** by von Schuckmann et al., (2018) Copernicus Marine Service Ocean State Report, Journal of Operational Oceanography, 11:sup1, S1-S142, DOI: 10.1080/1755876X.2018.1489208

Verri, G., Pinardi, N., Oddo, P., Ciliberti, S.A., and Coppini, G.: **River runoff influences on the Central Mediterranean Overturning Circulation**, Climate Dynamics, DOI 10.1007/s00382-017-3715-9, 2017.

Pinardi, N., Lyubartsev, V., Cardellicchio, N., Caporale, C., Ciliberti, S.A., Coppini, G., De Pascalis, F., D'Alti, L., Federico, I., Filippone, M., Grandi, A., Guideri, M., Lecci, R., Lamberti, L., Lorenzetti, G., Lusiani, P., Macripo, C. D., Maicu, F., Mossa, M., Tartarini, D., Trotta, F., Umgiesser, G., and Zaggia, L.: **Marine Rapid Environmental Assessment in the Gulf of Taranto: a multiscale approach**, Nat. Hazards Earth Syst. Sci., 16, 2623-2639, doi:10.5194/nhess-16-2623-2016, 2016.

Coppini, G., Marra, P., Lecci, R., Pinardi, N., Creti, S., Scalas, M., Tedesco, L., D'Anca, A., Fazioli, L., Olita, A., Turrisi, G., Palazzo, C., Aloisio, G., Fiore, S., Bonaduce, A., Kumkar, Y., Ciliberti, S. A., Federico, I., Mannarini, G., Agostini, P., Bonarelli, R., Martinelli, S., Verri, G., Lusito, L., Rollo, D., Cavallo, A., Tumolo, A., Monacizzo, T., Spagnulo, M., Sorgente, R., Cucco, A., Quattrocchi, G., Tonani, M., Drudi, M., Panzera, L., Navarra, A., and Negro, G.: **SeaConditions: a web and mobile service for safer professional and recreational activities in the Mediterranean Sea**, Nat. Hazards Earth Syst. Sci. Discuss., doi:10.5194/nhess-2016-176, in review, 2016.

Alfonsi, G., Ciliberti, S. A., Mancini, M., Primavera, L.: **Direct Numerical Simulation of Turbulent Channel Flow on High-Performance GPU Computing System**, Computation, 2016, 4, 13; doi:10.3390/computation4010013

Alfonsi, G., Ciliberti, S. A., Mancini, M., Primavera, L. (2014). **GPGPU implementation of mixed**

spectral-finite difference computational code for the numerical integration of the three-dimensional time-dependent incompressible Navier-Stokes equations. *Computers & Fluids*, 102 (2014), 237-249.

Alfonsi, G., Ciliberti, S. A., Mancini, M., Primavera, L. (2012). **Turbulent events in wall-bounded turbulent flow.** *Journal of Flow Visualization & Image Processing*, 19(2), 139-160.

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Alfonsi, G., Ciliberti, S. A., Mancini, M., Primavera, L. (2011). **Hairpin vortices in turbulent channel flow.** *Procedia Computer Science*, 4 (2011), pp. 801-810.

Alfonsi, G., Ciliberti, S. A., Mancini, M., Primavera, L. (2011). **Performance of a Navier-Stokes Solver on a Hybrid CPU/GPU Computing System.** 11th International Conference on Parallel Computing Technologies, September 19-23, 2011, Kazan, Russia, pp. 404-416.

Ciliberti, S. A., Macchione, F., Mancini, M. (2009). **High Performance Computing Techniques for Simulation of Urban Flooding Events.** 33rd IAHR Congress "Water Engineering for a Sustainable Environment", Vancouver, British Columbia (Canada), August 9-14, 2009, pp. 2109-2116.

Ciliberti, S. A., Gómez, M., Macchione, F., Russo, B., Villanueva, A. (2008). **2D analysis for local flooding assessment in a new square of Barcelona during storm events.** 11th International Conference on Urban Drainage, Edinburgh (Scotland), August 31-September 5, 2008

Stefania Angela Ciliberti, Elisaveta Peneva, Leonardo Lima, Boriana Chtirkova, Laura Stefanizzi, Eric Jansen, Salvatore Causio, Rita Lecci, Sergio Creti', Francesco Palermo, VeselkaMarinova, Fabio Montagna, Farshid Daybor, Marius Matreata, Mehmet Ilıcak, Emin Özsoy, Giovanni Coppini, Simona Masina, Nadia Pinardi, and Atanas Palazov, 2019, **Recent updates to the Copernicus Marine Service Black Sea Analysis and Forecasting System**, *Geophysical Research Abstracts* Vol. 21, EGU2019-16041-1, 2019 EGU General Assembly 2019

Iovino, D., Ciliberti, S., Cipollone, A., Masina, S., Coppini, G., Lecci, R., Montagna, F., Trotta, F., Pinardi, N. : **GOFS16: a Global Ocean Forecast System at eddy resolution**, *Geophysical Research Abstract*, Vol. 20, EGU2018-18695, 2018, EGU General Assembly 2018.

Ozsoy, E., Aydogdu, A., Gurses, O., Pinardi, N., Turuncoglu, U., Ciliberti, S., Ilıcak, M., Palazov, A. : **Turkish Straits System (TSS) Forecasting System Development for the Black Sea Monitoring and Forecasting Center (BS-MFC) of the Copernicus Marine Environment and Monitoring Service (CMEMS)**, *Geophysical Research Abstract*, Vol. 20, EGU2018-12024, 2018, EGU General Assembly 2018.

Ciliberti, S., Peneva E., Storto A., Lemieux-Dudon, B., Ozsoy, E., Coppini, G., Masina, S., Pinardi, N., Palazov, A. : **Development of a regional NEMO-based configuration for the Black Sea in the framework of Copernicus Marine Environment and Monitoring Service: recent developments and future perspectives**, *Geophysical Research Abstract*, Vol. 20, EGU2018-18191, 2018, EGU General Assembly 2018.

Iovino, D., Masina, S., Ciliberti, S., Trotta, F.: **The CMCC global ocean forecast system (GOFS16) and relocatable regional downscaling**, *Marine Technical Conference (TECO)*, Denpasar, Bali, Indonesia, 23 to 24 October 2017.

Trotta, F., Pinardi, N., Masina, S., Coppini, G., Iovino, D., Ciliberti, S., Lecci, R., Storto, A., Cipollone, A., Montagna, F., Creti, S., Palermo, F., Stefanizzi, L., Macchia, F.: **Relocatable ocean modelling for downscaling to the shelf and coastal areas**, *Operational Oceanography International Conference*, 2-5 October 2017, Bergen, Norway.

Clementi, E., Pistoia, J., Delrosso, D., Mattia, G., Fratianni, C., Storto, A., Ciliberti, S., Lemieux, B., Fenu, E., Simoncelli, S., Drudi, M., Grandi, A., Padeletti, D., Di Pietro, P., Pinardi, N.: **A 1/24 degree resolution Mediterranean analysis and forecast modeling system for the Copernicus Marine Environment Monitoring Service**, *Operational Oceanography International Conference*, 2-5 October 2017, Bergen, Norway.

Federico I., Maicu F., Pinardi, N., Oddo, P., Zavatarelli, M., Lyubartsev, V., Causio, S., Demarte, M., Picco, P., Falconieri, A., Lecci, R., Lacava, T., Lisi, M., Sepp-Neves, A., Lorenzetti, G., Manfe', G., Trotta, F., Zaggia, L., Ciliberti, S. A., Fratianni, C., Grandi, A.: **Multiscale and multidisciplinary Marine Rapid Environmental Assessment data collection methodology for operational and forecasting oceanography**, *Operational Oceanography International Conference*, 2-5 October 2017, Bergen, Norway.

Ciliberti, S., Peneva, E., Pinardi, N., Storto, A., Lemieux-Dudon, B., Ozsoy, E., Masina, S., Coppini, G., Pinardi, N., Palazov, A.: **Development of a regional NEMO-based configuration for the Black Sea**

Conferences/Workshop

in the framework of Copernicus Marine Environment and Monitoring Service: recent developments and future perspectives, Geophysical Research Abstracts Vol. 20, EGU2018-18191, 2018, EGU General Assembly 2018

Ozsoy, E., Aydogdu, A., Gürses, O., Pinardi, N., Turunçoglu, U., Ciliberti, S., Ilıcak, M., Palazov, A.: **Turkish Straits System (TSS) Forecasting System Development for the Black Sea Monitoring and Forecasting Center (BS-MFC) of the Copernicus Marine Environment and Monitoring Service (CMEMS)**, Geophysical Research Abstracts Vol. 20, EGU2018-12024-1, 2018 EGU General Assembly 2018.

Iovino, D., Ciliberti, S., Cipollone, A., Masina, S., Coppini, G., Lecci, R., Montagna, F., Trotta, F., Pinardi, N.: **GOF16: a Global Ocean Forecast System at eddy resolution**, Geophysical Research Abstracts, Vol. 20, EGU2018-18965, 2018, EGU General Assembly 2018.

Palazov, A., Coppini, G., Ciliberti, S.A., and the Black Sea MFC Team: **The Black Sea Monitoring and Forecasting Center (BS-MFC) in the framework of the Copernicus Marine Service**, Geophysical Research Abstracts Vol. 19, EGU2017-15637-2, 2017 EGU General Assembly 2017.

Ciliberti, S. A., Peneva, E., Storto, A., Kandilarov, R., Lecci, R., Yang, C., Coppini, G., Masina, S., Pinardi, N. (2016). **Implementation of Black Sea numerical model based on NEMO and 3DVAR data assimilation scheme for operational forecasting**. Geophysical Research Abstracts, Vol. 18 EGU2016-16222, EGU General Assembly 2016.

Coppini, G., Drudi, M., Korres, G., Fratianni, C., Salon, S., Cossarini, G., Clementi, E., Zacharioudaki, A., Grandi, A., Delrosso, D., Pistoia, J., Solidoro, C., Pinardi, N., Lecci, R., Agostini, P., Creti, S., Turrisi, G., Palermo, F., Konstantinidou, A., Storto, A., Simoncelli, S., Di Pietro, P. L., Masina, S., Ciliberti, S.A., Ravdas, M., Mancini, M., Aloisio, G., Fiore, S., Buonocore, M. (2016). **Mediterranean monitoring and forecasting operational system for Copernicus Marine Service**, Geophysical Research Abstracts, Vol. 18, EGU2016-18197-1, EGU General Assembly 2016.

Lecci, R., Marra, P., Coppini, G., Pinardi, N., Creti, S., Scalas, M., Tedesco, L., Turrisi, G., D'Anca, A., Palazzo, C., Fazioli, L., Olita, A., Cucco, A., Sorgente, R., Rollo, D., Aloisio, G., Fiore, S., Tonani, M., Drudi, M., Bonaduce, A., Mannarini, G., Cavallo, A., Tumolo, A., Monacizzo, T., Spagnulo, M., Kumkar, Y., Ciliberti, S. A., Federico, I., Agostini, P., Bonarelli, R., Martinelli, S. (2015). **SeaConditions: present and future sea conditions for safer navigation**. Oceans'15 MTS/IEEE Genova, May 18-21, 2015, Genova (Italy).

Ciliberti, S. A., Pinardi, N., Coppini, G., Oddo, P., Vukicevic, T., Lecci, R., Verri, G., Kumkar, Y., Creti, S. (2015). **A high resolution Adriatic-Ionian Sea circulation model for operational forecasting**. Geophysical Research Abstracts, Vol. 17 EGU2015-10899, 2015 EGU General Assembly 2015.

Verri, G., Pinardi, N., Oddo, P., Ciliberti, S.A., Coppini, G. (2014). **The influence of the river inflow on the circulation and dynamics of the Adriatic and Northern Ionian Sea**. Geophysical Research Abstracts, Vol. 16, EGU2014-16855, 2014, EGU General Assembly 2014.

Coppini, G., Pinardi, N., Oddo, P., Awad, E., Bonaduce, A., Calcagnile, E., Ciliberti, S. A., Federico, I., Galati, M. B., Lecci, R., Liubartseva, S., Mancini, M., Mannarini, G., Shchekinova, E., Verri, G. (2013). **The operational research in support to decisional instruments**. Contribute to III Convegno Nazionale di Oceanografia Operativa, 3-5 June 2013, Oristano, Italy.

Coppini, G., Marra, P., Pinardi, N., Oddo, P., Manzella, G., Perivoliotis, L., Mancini, M., Lecci, R., Bonaduce, A., Galati, M. B., Scalas, M., Tedesco, L., Pizzolante, E., Sorgente, R., Olita, A., Fazioli, L., Cucco, A., Rollo, D., Aloisio, G., Fiore, S., Palazzo, C., D'Anca, A., Nassisi, P., Conte, L., Tonani, M., Drudi, M., Awad, E., Calcagnile, E., Ciliberti, S. A., Federico, I., Mannarini, G., Shchekinova, E., Verri, G., Falchetti, S., Trotta, F., Archetti, R., Vacchi, M., Samaras, A., Fiori, E. (2013). **TESSA, IONIO and SeaConditions: to know the present and future sea conditions for safer navigation**. Contribute to III Convegno Nazionale di Oceanografia Operativa, 3-5 June 2013, Oristano, Italy.

Alfonsi, G., Ciliberti, S. A., Mancini, M., Primavera, L. (2012). **Vortical Structures and Turbulent Events in Turbulent Shear Flow**. International Conference on Computational Fluid Dynamics, Mauna Lani Bay Hotel, Island of Hawaii, July 9-13, 2012.

Ciliberti, S. A., Simino, R., Teruzzi, L. (2008). **Attività di ricerca in NEC per la sicurezza stradale e la prevenzione dai fenomeni alluvionali**. TechFOR Primo Salone Internazionale delle Tecnologie per le Forze dell'Ordine, Roma (Italy), May 12-15, 2008.

Membership in Professional Associations and International Groups

- Member of International Association for Hydro-Environment Engineering and Research (IAHR)
- Member of the European Geosciences Union (EGU)

Lecce, 2020-05-19

Francesco Luigi Di Liberto