

Mattia Almansi

PH.D. CANDIDATE IN PHYSICAL OCEANOGRAPHY

Dept. of Earth and Planetary Sciences, The Johns Hopkins University

🌐 malmans2.github.io | 🌐 malmans2 | 🐦 @MattiaAlmansi

✉️ mattia.almansi@jhu.edu

Academic Education

Johns Hopkins University

PH.D. IN PHYSICAL OCEANOGRAPHY

- Advisor: Prof. Thomas W. N. HAINE

Baltimore, USA

2015 – present

Johns Hopkins University

M.A. IN EARTH AND PLANETARY SCIENCES

- Committee: Profs. T. W. N. HAINE, A. GNANADESIKAN, D. W. WAUGH

Baltimore, USA

2016

University of Genoa

M.Sc. IN MARINE SCIENCES

- Thesis title: Dynamics and Dispersion Around a Rectangular Headland
- Advisor: Dr. Marcello G. MAGALDI
- Grade: 110/110 cum laude

Genoa, Italy

2014

University of Genoa

B.Sc. IN ENVIRONMENTAL SCIENCES

Genoa, Italy

2012

Specialized Education

2019	Teaching Academy , Johns Hopkins University	Baltimore, USA
2019	Big Data Visualization Hackathon , IDIES	Baltimore, USA
2016, 2017	FAMOS School , FAMOS	Woods Hole, USA
2016	FDSE Summer School , University of Cambridge & École Polytechnique	Cambridge, UK
2012	ERASMUS Exchange Program , University of Cádiz	Cádiz, Spain

Teaching Experience

2019	Introductory Oceanography , Apprentice Teacher	Johns Hopkins University
2018	Planning the Power System of the Future , Invited Speaker	Johns Hopkins University
2017	Oceans and Atmospheres , Teaching Assistant	Johns Hopkins University
2017	Climate Change: Science and Policy , Teaching Assistant	Johns Hopkins University

Honors & Awards

2018	George S. Benton Graduate Student Award , The Johns Hopkins University
2017	FAMOS Travel Support , FAMOS
2017	ASOF-ISSG Travel Support , WRCP - CliC
2015 – present	E&PS Fellowship , The Johns Hopkins University
2014	Master's Thesis Award ("Dignità di Stampa") , University of Genoa
2011	ERASMUS Scholarship , European Commission

Publications

Peer-reviewed:

6	EVOLUTION OF DENMARK STRAIT OVERFLOW CYCLONES AND THEIR RELATIONSHIP TO OVERFLOW SURGES	2020
	Almansi, Mattia and Haine, Thomas W. N. and Gelderloos, Renske and Pickart, Robert S.	Geophysical Research Letters

- 5 **OCEANSPY: A PYTHON PACKAGE TO FACILITATE OCEAN MODEL DATA ANALYSIS AND VISUALIZATION** 2019
Almansi, Mattia and Gelderloos, Renske and Haine, Thomas W. N. and Saberi, Atousa and Siddiqui, Ali H. J. Open Source Software
- 4 **THE ICELAND GREENLAND SEAS PROJECT** 2019
Renfrew, I. A. and Pickart, R. S. and Våge, K. and Moore, G. W. K. and Bracegirdle, T. J. and Elvidge, A. D. and Jeansson, E. and Lachlan-Cope, T. and McRaven, L.T. and Papritz, L. and Reuder, J. and Sodemann, H. and Terpstra, A. and Waterman, S. and Valdimarsson, H. and Weiss, A. and **Almansi, M.** and Bahr, F. and Brakstad, A. and Barrell, C. and Brooke, J. K. and Brooks, B.J. and Brooks, I. M. and Brooks, M. E. and Bruvik, E. M. and Duscha, C. and Fer, I. and Golid, H. M. and Hallerstig, M. and Hessevick, I. and Huang, J. and Houghton, L. and Jónsson, S. and Jonassen, M. and Jackson, K. and Kvalsund, K. and Kolstad, E. W. and Konstali, K. and Kristiansen, J. and Ladkin, R. and Lin, P. and Macrander, A. and Mitchell, A. and Olafsson, H. and Pacini, A. and Payne, C. and Palmason, B. and Pérez-Hernández, M. D. and Peterson, A. K. and Petersen, G. N. and Pisareva, M. N. and Pope, J. O. and Seidl, A. and Semper, S. and Sergeev, D. and Skjelsvik, S. and Søiland, H. and Smith, D. and Spall, M. A. and Spengler, T. and Touzeau, A. and Tupper, G. and Weng, Y. and Williams, K. D. and Yang, X. and Zhou, S. Bull. Amer. Meteor. Soc.
- 3 **ATLANTIC-ORIGIN OVERFLOW WATER IN THE EAST GREENLAND CURRENT** 2019
Håvik, Lisbeth and **Almansi, Mattia** and Våge, Kjetil and Haine, Thomas W. N. J. Phys. Oceanogr.
- 2 **FRONTOGENESIS AND VARIABILITY IN DENMARK STRAIT AND ITS INFLUENCE ON OVERFLOW WATER** 2019
Spall, Michael A. and Pickart, Robert S. and Lin, Peigen and Appen, Wilken-Jon von and Mastropole, Dana and Valdimarsson, H. and Haine, Thomas W. N. and **Almansi, Mattia** J. Phys. Oceanogr.
- 1 **HIGH-FREQUENCY VARIABILITY IN THE CIRCULATION AND HYDROGRAPHY OF THE DENMARK STRAIT OVERFLOW FROM A HIGH-RESOLUTION NUMERICAL MODEL** 2017
Almansi, Mattia and Haine, Thomas W. N. and Pickart, Robert S. and Magaldi, Marcello G. and Gelderloos, Renske and Mastropole, Dana J. Phys. Oceanogr.
- Other:**
- MASTER'S THESIS: DYNAMICS AND DISPERSION AROUND A RECTANGULAR HEADLAND 2014
Almansi, M. University of Genoa

Presentations

Invited Talks

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|------|---|--|
| 2019 | ESIP , Interoperability and Technology | Tech Dive Webinar Series |
| 2018 | CMCC , Ocean Modelling and Data Assimilation Division | Bologna, Italy |
| 2017 | TRR 181 , Institute of Oceanography, University of Hamburg | Hamburg, Germany |
| 2015 | CNR-ISMAR , sez. La Spezia | S.S. di Lerici, Italy |

Conferences

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| 2020 | Ocean Sciences Meeting | San Diego, USA |
| 2019 | Pangeo Community Meeting | Seattle, USA |
| 2019 | ASOF-ISSG Meeting and Workshop | Copenhagen, Denmark |
| 2019 | EGU General Assembly | Vienna, Austria |
| 2018 | IDIES Annual Symposium | Baltimore, USA |
| 2018 | E&PS 50th Anniversary Symposium | Batimore, USA |
| 2018 | ASOF-ISSG Meeting and Workshop | Paris, France |
| 2018 | Ocean Sciences Meeting | Portland, USA |
| 2017 | Irminger Sea Regional Science Workshop | Southampton, UK |
| 2017 | FAMOS Workshop | Woods Hole, USA |
| 2017 | IDIES Annual Symposium | Baltimore, USA |
| 2017 | US AMOC Science Team Meeting | Santa Fe, USA |
| 2017 | ASOF-ISSG Meeting and Workshop | Sopot, Poland |
| 2016 | FAMOS Workshop | Woods Hole, USA |

Field Experience

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|------|--|---|
| 2018 | Iceland-Greenland Seas Project (IGP) , Iceland-Greenland Seas | Alliance NATO Research Vessel |
| 2014 | ICHNUSSA , Western Mediterranean | Urania Research Vessel |