

Mattia Almansì

PH.D. STUDENT IN PHYSICAL OCEANOGRAPHY

Dep. of Earth and Planetary Sciences, 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	Big Data Visualization Hackathon , IDIES	Baltimore, USA
2018	Teaching Academy , Johns Hopkins University	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:

5	OCEANSPY: A PYTHON PACKAGE TO FACILITATE OCEAN MODEL DATA ANALYSIS AND VISUALIZATION	submitted
	Almansi, M., R. Gelderloos, T.W.N. Haine, A. Saberi, A.H. Saberi	J. Open Source Software

- | | | |
|---|--|--|
| 4 | THE ICELAND GREENLAND SEAS PROJECT
<i>Renfrew, I.A., R.S. Pickart, and 56 co-authors</i> | submitted
<i>Bull. Amer. Meteor. Soc.</i> |
| 3 | ATLANTIC-ORIGIN OVERFLOW WATER IN THE EAST GREENLAND CURRENT
<i>Håvik, L., M. Almansi, K. Våge, and T.W.N. Haine</i> | submitted
<i>J. Phys. Oceanogr.</i> |
| 2 | FRONTOGENESIS AND VARIABILITY IN DENMARK STRAIT AND ITS INFLUENCE ON OVERFLOW WATER
<i>Spall, M.A., R.S. Pickart, P. Lin, W. von Appen, D. Mastropole, H. Valdimarsson, T.W. Haine, and M. Almansi</i> | 2019
<i>J. Phys. Oceanogr.</i> |
| 1 | HIGH-FREQUENCY VARIABILITY IN THE CIRCULATION AND HYDROGRAPHY OF THE DENMARK STRAIT OVERFLOW FROM A HIGH-RESOLUTION NUMERICAL MODEL
<i>Almansi, M., T.W.N. Haine, R.S. Pickart, M.G. Magaldi, R. Gelderloos, and D. Mastropole</i> | 2017
<i>J. Phys. Oceanogr.</i> |

Others:

- | | | |
|---|---|--|
| 1 | MASTER'S THESIS: DYNAMICS AND DISPERSION AROUND A RECTANGULAR HEADLAND
<i>Almansi, M.</i> | 2014
<i>University of Genoa</i> |
|---|---|--|

Presentations

Invited Talks

- | | | |
|------|---|--|
| 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

- | | | |
|------|---|-------------------------------------|
| 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

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

Skills

- Programming** Python, Matlab, Bash, T_EX, Fortran
- Ocean Models** MITgcm, ROMS