

Curriculum vitae with track record (for researchers)

Personal information

First name, Surname:	Johnny A. Johannessen		
Date of birth:	09121953	Sex:	Male
Nationality:	Norwegian		
Researcher unique identifier(s) (ORCID, Researcher ID, etc.):	ResearchGate: https://www.researchgate.net/search.Search.html?query=Johnny+A.+Johannessen&type=publication		
URL for personal website:	https://www.nersc.no/staff/johnny-johannessen		

Education

Year	Faculty/department - University/institution - Country
1997	Doctor Philos, University of Bergen
1979	Cand Real, Geophysical Institute, University of Bergen

Positions - current and previous

(Academic sector/research institutes/industrial sector/public sector/other)

Year	Job title – Employer - Country
2021-2023	Head of Research Coordination, Nansen Center, Bergen, Norway
2020-2021	Interim director, Nansen Center, Bergen, Norway
2017-2020	Head of Research Coordination, Nansen Center, Bergen, Norway
2016-2017	Interim director, Nansen Center, Bergen, Norway
2001-2016	Research Director, Nansen Center, Bergen, Norway
2000-2023	Professor II, Geophysical Institute, University of Bergen, Norway

Career breaks

Year	Reason
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1994-2000	Head of Ocean and Sea Unit, European Space Agency (ESA), Noordwijk, Netherlands Strengthening competence and building network in satellite remote sensing
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Project management experience

(Academic sector/research institutes/industrial sector/public sector/other. Please list the most relevant.)

Year	Project owner - Project - Role – Funder
	Selected since 2010
2010-2013	EC FP7 funded MONARCH-A, Project manager
2011-2014	EC FP7 funded GreenSeas, Project manager
2011-2016	RCN funded NORMAP, Project manager
2013-2015	RCN funded GOCE-MDT, Project manager
2014-2019	ESA funded GlobCurrent, Project manager
2018-2021	ERA-Net Co-fund MarTERA TOPVOYS, Project manager
2019-2023	ESA funded ARKTALAS project, Project manager

Supervision of students

(Total number of students)

Master's students	Ph.D. students	University/institution - Country
8	10	Geophysical Institute, University of Bergen
	1	UNIS, Svalbard
	2	Department of Oceanography, University of Cape Town, South Africa
	1	SKLEC, East China Normal University, Shanghai, China

Other relevant professional experiences

(E.g. institutional responsibilities, organisation of scientific meetings, membership in academic societies, review boards, advisory boards, committees, major research or innovation collaborations, other commissions of trust in public or private sector)

Year	Description - Role
2006-2010	Chairman of the ESA Science and Advisory Committee (2006-2010).
2003-2017	Member of the Ocean Observing Panel for Climate (OOPC) under the Global Climate Observing System (GCOS)
2015-2016	Member of ESA Science Strategy Review panel
2016-	Co-chair of the board of the Nansen-Tutu Center Joint Venture hosted at UCT, Cape Town, South Afrika.

2017-	Member of the board of Mercator Ocean International
2017-	Member of the GCOS Scientific Committee
2018-	Member of the Swedish National Space Agency Science Advisory Committee
2020	Member of ESA's CIMR Mission Advisory Group
2020	Member of ESA's NG-TC ad hoc expert group
2021-2022	Member of ESA Science Strategy Review panel

Other Commission of trust:

- Regular reviewer for various scientific journals including JGR, GRL, Ocean Sci., IJRS, IEEE TGRS, IEEE TGRSL, JOO, RS and RSE.
- Reviewer for national research agencies in USA, France, Sweden and UK
- Guest Editor Special issue of JGR published in April 1998
- Guest editor of special issue of OS, published in 2016
- Guest editor of special issue in Remote Sensing of the Environment (RSE), published in 2018/2019.

Track record

- Authored/co-authored more than 200 scientific and technical publications, reports and book articles of which 115 papers are published in International Peer Review Journals and 24 are published in peer review book articles.
- A list of up to ten publications in major national or international peer-reviewed journals, peer-reviewed conference proceedings, peer reviewed book chapters and/or monographs

J.A. Johannessen, V. Kudryavtsev, D. Akimov, T. Eldevik, N. Winther, and B. Chapron, On Radar Imaging of Current Features; Part 2: Mesoscale Eddy and Current Front detection. *Journal of Geophysical Research*, Vol. 110, C07017, 2005.

J.A. Johannessen, B. Chapron, F. Collard, V. Kudryavtsev, A. Mouche, D. Akimov, and K.-F. Dagestad (2008), Direct ocean surface velocity measurements from Space: Improved quantitative interpretation of Envisat ASAR observations, *Geophysical Research Letter*, 28 November, 2008.

Vladimir Kudryavtsev, Alexander Myasoedov, Bertrand Chapron, **Johnny A. Johannessen**, Fabrice Collard, (2012), Imaging mesoscale upper ocean dynamics using SAR and optical data, *Journal of Geophysical Research*, Vol. 117, C04029, 2012.

J. A. Johannessen, R. P. Raj, J. E. Ø. Nilsen, T. Pripp, P. Knudsen, F. Counillon, D. Stammer, L. Bertino, O. B. Andersen, N. Serra and N. Koldunov (2014) Toward Improved Estimation of the Dynamic Topography and Ocean Circulation in the High Latitude and Arctic Ocean: The Importance of GOCE, *Survey in Geophysics*, Springer, DOI 10.1007/s10712-013-9270-y.

Raj, R.P., **J. A. Johannessen**, T. Eldevik, J. E. Ø. Nilsen, I. Halo, (2016) Quantifying mesoscale eddies in the Lofoten Basin, *Journal of Geophys. Res.* 10.1002/2016JC011637.

Bentamy, A. J. F. Piollé, A. Grouazel, R. Danielson, S. Gulev, F. Paul, H. Azelmat, P.P. Mathieu, K. Von Schuckmann, S. Sathyendranah, H. E. King, I. Esau, **J. A. Johannessen**, C. A. Clayson, R. T. Pinker8, S. Grodsky, M. Bourassa, S. R. Smith, K. Haines, M. Valdivieso, C. J. Merchant, B. Chapron, A. Anderson, R. Hollmann, and S. A. Josey (2017), Review and assessment of latent and sensible heat flux accuracy over the global oceans, *Remote Sensing of Environment*, 201, 196-218, <http://doi.org/10.1016/j.rse.2017.08.016>

- Wouter Dorigo, Stephan Dietrich, Filipe Aires, Luca Brocca, Sarah Carter, Jean-François Cretaux, David Dunkerley, Hiroyuki Enomoto, René Forsberg, Andreas Güntner, Michaela I. Hegglin, Rainer Hollmann, Dale F. Hurst, **Johnny A. Johannessen**, Chris Kummerow, Tong Lee, Kari Luoju, Ulrich Looser, Diego G. Miralles, Victor Pellet, Thomas Recknagel, Claudia Ruz Vargas, Udo Schneider, Philippe Schoeneich, Marc Schröder, Nigel Tapper, Valery Vuglinsky, Wolfgang Wagner, Lisan Yu, Luca Zappa, Michael Zemp, and Valentin Aich (2021), Closing the water cycle from observations across scales: Where do we stand? *Bulletin of the American Meteorological Society*, published-online: 29 April 2021, DOI: <https://doi.org/10.1175/BAMS-D-19-0316.1>
- Moiseev, A., **J. A. Johannessen**, H. Johnsen, (2020), Towards Retrieving Reliable Ocean Surface Currents in the Coastal Zone from the Sentinel-1 Doppler Shift Observations, *submitted to Journal of Geophys. Res.- Oceans*, 31 January 2022.
- Martin Horwath, Benjamin D. Gutknecht, Anny Cazenave, Hindumathi Kulaiappan Palanisamy, Florence Marti, Ben Marzeion, Frank Paul, Raymond Le Bris, Anna E. Hogg, Inès Otosaka, Andrew Shepherd, Petra Döll, Denise Cáceres, Hannes Müller Schmied, **Johnny A. Johannessen**, Jan Even Øie Nilsen, Roshin P. Raj, René Forsberg, Louise Sandberg Sørensen, Valentina R. Barletta, Sebastian B. Simonsen, Per Knudsen, Ole Baltazar Andersen, Heidi Randall, Stine K. Rose, Christopher J. Merchant, Claire R. Macintosh, Karina von Schuckmann, Kristin Novotny, Andreas Groh, Marco Restano, and Jérôme Benveniste (2022), Global sea-level budget and ocean-mass budget, with focus on advanced data products and uncertainty characterisation, *Copernicus Earth System Science Data*, February 2022.
- Vladimir Kudryavtsev, Shengren Fan, Biao Zhang, *Senior Member, IEEE*, Bertrand Chapron, Johnny A. Johannessen and Artem Moiseev (2023), Sea Surface Doppler Velocity Model Based on Dual Co-Polarized Radar Data. Part 1: Approach, *Transactions on Geoscience and Remote Sensing*, in press.

Invited presentations to peer-reviewed national or international conferences

- 2007 - ESA Living Planet Symposium, Montreux, Switzerland,
- 2007 - ESA GlobModel Meeting, Frascati, Italy,
- 2009 - EGU, Vienna, Austria,
- 2009 - IGARSS, Cape Town, SA,
- 2010 - ESA Living Planet Symposium, Bergen, Norway,
- 2011 - Anniversary symposium: 20 years of ERS Missions – ERS Altimetry & SAR for Oceanography, Frascati, Italy,
- 2013 - EGU, Vienna, Austria,
- 2014 - Climate Symposium, Darmstadt, Germany,
- 2015 - ESA Sentinel-3 for Science Meeting, Venice, Italy,
- 2017 - ISRSE, Pretoria, South Africa
- 2019 - ESA, Satellites and Artificial Intelligence, Frascati, Italy
- 2020 - 10-years anniversary symposium, Nansen-Tutu Center, Cape Town, SA

Invited international advanced training courses and summer schools.

- 2004 ESA-MOST, Satellite Ocean Training Course, Ocean University of China, Qingdao, China,
- 2006 ESA, Satellite Ocean Training Course, University of Hamburg,
- 2007 ESA-MOST, Satellite Ocean Training Course, Hangzhou, China
- 2009 ESA, Satellite Ocean Training Course, University of Bergen, Norway
- 2011 ESA-MOST, Satellite Ocean Training Course, East China Normal University, Shanghai, China,
- 2013 ESA, Satellite Ocean Training Course, National Marine College of Ireland, Cork, Ireland,
- 2013 ESA-MOST, Satellite Ocean Training Course, Chinese University of Hong Kong, China,
- 2014 Nansen-Tutu Summer School, University of Cape Town, South Africa
- 2015 ESA, Satellite Ocean Training Course, Ifremer, Brest, France.
- 2017 ESA, Satellite Ocean Training Course, Porto, Portugal
- 2018 ESA-Most, Satellite Ocean Training Course, Shenzhen, China.

- 2018 SOLab, RSHU, Atmosphere-Ocean-Ice System in the Arctic and its Investigation Using Satellite Data St. Petersburg, Russia.
- 2019 SOLab, RSHU, Atmosphere-Ocean-Ice System in the Arctic and its Investigation Using Satellite Data St. Petersburg, Russia.
- 2019 ESA, Satellite Ocean Training Course, Chania, Crete, Greece.
- 2023 PECO2-ESA Advanced Ocean Training Course onboard Statsraad Lehmkuhl from Maputo to Cape Town

External opponent for PhD dissertations:

- University of Southampton, England (2), University College London (1), University of Oslo, Norway (1), University of Copenhagen, Denmark (2), University of Vigo, Spain (1), University of Tromsø, Norway (1), University of Toulouse, Toulouse, France (1), University of IMT Atlantique and Ifremer, Brest, France (1), Chalmers University, Gothenborg, Sweden (1).

Teaching at Geophysical Institute, University of Bergen:

- 2007 - present Introduction to Satellite Remote Sensing in Meteorology and Oceanography (GEOF345)
- 2004 - present Microwave remote sensing (GEOF334)
- 2009 - 2015 Operational Oceanography (GEOF231)