

Curriculum vitae with track record (for researchers)

Role in the project Project manager Project participant

Personal information

First name, Surname:	Solbø, Stian Andre		
Date of birth:	18.06.1978	Sex:	Male
Nationality:	Norwegian		
Researcher unique identifier(s) (ORCID, ResearcherID, etc.):	https://orcid.org/0000-0002-4043-1724 , http://www.researcherid.com/rid/G-7779-2019 , Scopus Author ID: 7801642614		
URL for personal website:	https://www.norceresearch.no/personer/stian-andre-solb%C3%B8		

Education

Year	Faculty/department - University/institution - Country
2007	PhD: Disputation date: 04.05.2007 Department of physics, University of Tromsø, Norway
2001	Master of Physics Department of physics, University of Tromsø, Norway

Positions - current and previous

Year	Job title – Employer - Country
2019 -	Senior Scientist, Department of Energy and Technology, Drones and Autonomous Systems group, NORCE Norwegian Research Centre, Tromsø, Norway
2002-2019	Senior Scientist, Earth Observation, Norut Northern Research Institute, Tromsø, Norway

Project management experience

Year	Project owner - Project - Role - Funder
2021–	VTT (FI). Work Package Leader, “AiRMOUR – Enabling sustainable AiR Mobility in Urban context via emergency and medical services”, EU Horizon-2020
2020–	STABLE AS. Project manager, “Marine Stabilized Platform for off-the-shelf inspection drones”, NFR MAROFF
2020–	Opscom Systems AS. Project manager, “Autonome Sensorer for effektiv flyplassdrift”, NRC Pilot-T

2018–	CLANUS AS. Project manager, “Effektivisering av høsting etter raudåte ved hjelp av droner”, RFF NORD
2018–	GRIFF Aviation AS. Project manager, “Sikrere logistikk fra fartøy med ubemannet logistikkhelikopter”, NRC MAROFF
2018–2021	MATERIANOVA (BE). Work package leader, “Coatings with Hydrophobic or Omniphobic Properties against INsect contamination. (CHOPIN) ”, EU H2020, CleanSky-II
2014–2018	UiT. Work package leader, “Sensorteknologi og teknologoverføring”, NRC, Nordsatsing
2014–2016	NIKU. Work package leader, “CULRES”, Fram-centre, MIKON Flagship
2010–2014	UiT. Work package leader, “Subsea sensors for oil and gas”, NRC, Nordsatsing
2012–2014	Norut. Project manager, “Unmanned systems laboratory”, Innovasjon Norge (RDA-II)
2012–2013	CRIHIP Grupen AS. Project manager, “ASSUR – Ubemannet fly for økt sikkerhet til sjøs”, NRC, MAROFF

Supervision of students

Master's students	Ph.D. students	University/institution - Country
	1	UiT - The Arctic University of Norway
1		NTNU - Norwegian University of Science and Technology

Other relevant professional experiences

Year	Description - Role
2003–2004	Visiting Scientist, Institute of applied physics, CNR-IFAC, Florence, Italy

Track record

Total number of publications: 37

Top ten publications from the last ten years:

Ursula K Verfuss, Ana Sofia Aniceto, Danielle V Harris, Douglas Gillespie, Sophie Fielding, Guillermo Jiménez, Phil Johnston, Rachael R Sinclair, Agnar Sivertsen, **Stian A Solbø**, Rune Storvold, Martin Biuw, Roy Wyatt: *A review of unmanned vehicles for the detection and monitoring of marine fauna*. Marine pollution bulletin 03/2019; 140. **77 citations**

Hannah Vickers, Kjell Arild Høgda, **Stian Solbø**, Stein Rune Karlsen, Hans Tømmervik, Ronny Aanes, Brage B Hansen: *Changes in greening in the high Arctic: Insights from a 30 year AVHRR max NDVI dataset for Svalbard*. Environmental Research Letters 10/2016; 11(10)., DOI:10.1088/1748-9326/11/10/105004 **68 citations**

Firehun Tsige Dullo, Susan Lindecrantz, Jana Jágerská, Jørn H. Hansen, Magnus Engqvist, **Stian Andre Solbø**, Olav Gaute Hellesø: *Sensitive on-chip methane detection with a cryptophane-A cladded Mach-*

Zehnder interferometer. Optics Express 11/2015; 23(24):31564., DOI:10.1364/OE.23.031564

38 citations

Ana S. Aniceto, Martin Biuw, Ulf Lindstrøm, **Stian A. Solbø**, Fredrik Broms, JoLynn Carroll: *Monitoring marine mammals using unmanned aerial vehicles: Quantifying detection certainty*. Ecosphere 03/2018; 9(3)., DOI:10.1002/ecs2.2122

28 citations

Stian Solbø, Rune Storvold: *Mapping Svalbard glaciers with the Cryowing UAS*. UAV-g, Rostock, Germany; 09/2013, DOI:10.5194/isprsarchives-XL-1-W2-373-2013

26 citations

John Faulkner Burkhart, Arve Kylling, Crystal B. Schaaf, Zhuosen Wang, Wiley Bogren, Rune Storvold, **Stian Solbø**, Christina A. Pedersen, Sebastian Gerland: *Unmanned aerial system nadir reflectance and MODIS nadir BRDF-adjusted surface reflectances intercompared over Greenland*. The Cryosphere 07/2017; 11(4):1575-1589., DOI:10.5194/tc-11-1575-2017

23 citations

Firehun Tsige Dullo, Jean-claude Tinguely, **Stian Andre Solbo**, Olav Gaute Helleso: *Single-Mode Limit and Bending Losses for Shallow Rib Si3N4 Waveguides*. IEEE Photonics Journal 02/2015; 7(1):1-1., DOI:10.1109/JPHOT.2014.2387252

18 citations

Eirik Malnes, Markus Eckerstorfer, Yngvar Larsen, Regula Frauenfelder, A Jonsson, Christian Jaedicke, **Stian A Solbø**: *Remote sensing of avalanches in northern Norway using Synthetic Aperture Radar*, Proceedings of the International Snow Science Workshop, 10/2013

14 citations

Stødle, Borch, **Solbø**, Storvold: *High-performance visualisation of UAV sensor and image data with raster maps and topography in 3D*. International Journal of Image and Data Fusion 06/2014; 5(3)., DOI:10.1080/19479832.2014.907363

12 citations

Thuestad A. E., Tømmervik H., **Solbø S. A.**, Barlindhaug S., Flyen A. C., Myrvoll E. R., Johansen B.: *Monitoring cultural heritage environments in Svalbard: Smeerenburg, a whaling station on Amsterdam island..* DOI:10.12760/01-2015-1-04

8 citations

Awards:

Best Application paper award, International UAV-g Conference 2013, Rostock, Germany.