

Curriculum vitae with track record for Signe Riemer-Sørensen

Role in the project Project manager ☐ Project participant ☒

Personal information

First name, Surname:	Riemer-Sørensen, Signe		
Date of birth:	11.05.1982	Sex:	Female
Nationality:	Danish, Norwegian		
Researcher unique identifier(s) (ORCID, ResearcherID, etc.):	orcid.org/0000-0002-5308-7651		
URL for personal website:	sintef.no/en/all-employees/employee/signeriemer-sorensen/ linkedin.com/in/signeriemer-sorensen		

Education

Year	Faculty/department - University/institution - Country
2009 (dissertation defended)	Ph.D. astrophysics, Dark Cosmology Centre, Niels Bohr Institute, University of Copenhagen, Denmark
2006	Cand. Scient in Physics, Niels Bohr Institute, University of Copenhagen, Denmark

Positions - current and previous

Year	Job title – Employer - Country
2022-	Senior researcher and Research manager , Analytics and AI, SINTEF Digital, Norway
2018-2022	Researcher , Analytics and AI, SINTEF Digital, Norway
2017-2018	Senior Consultant at Expert Analytics (80%), Norway, and Researcher at Institute of Theoretical Astrophysics, University of Oslo, Norway (20% research)
2013-2017	Postdoc at Institute of Theoretical Astrophysics, University of Oslo, Norway (100% research excluding two periods totalling four months at 100% and eighteen months at 50% leave)
2010-2013	Postdoc at School of Mathematics and Physics, University of Queensland, Australia (100% research)

Project management experience

Year	<i>Project – Role – Funder and size</i> (PM: Project manager, WPM: Work package manager, RCN: Research Council of Norway)
2025-	PM – Norwegian Center on AI for Decisions – RCN AI Center [420 MNOK, 62 partners]
2023-2025	PM - <i>Physics-embedding in machine learning</i> (PhysML + MMSiML) - RCN Collaborative and knowledge building project [16 MNOK, 6 partners]
2022-2023	PM - <i>Optimization and learning for Warehouse Logistics</i> , RCN Innovation Project for the Industrial Sector - Solwr Robotics [21.3 MNOK, 3 partners]
2021-	WPM - <i>Hybrid AI Analytics</i> and core group member - RCN Centre for Research-based Innovation NorwAI [260 MNOK, WP budget 9MNOK, 6 partners]

2020-2022	WPM - <i>Data driven construction sites</i> - RCN Innovation Project for the Industrial Sector - Skanska [19.3 MNOK, 3 partners]
2020-2022	WPM for AI development - <i>Collective for balancing services</i> - RCN Innovation Project for the Industrial Sector - Skagerrak Energi [8.5 MNOK, 4 partners]
2020-2021	PM for <i>AIStack</i> - Regional Research Fund - Solwr Robotics [1.8 MNOK]
2018-2022	PM - <i>SINTEF Digital Academy</i> (internal machine learning courses) - SINTEF [2 MNOK, ~300 participants since 2019] WPM – <i>Development of 2x5 ETCS online courses</i> - Høyskolen Kristiania [1.6 MNOK]
2019, 2022	SINTEF project management (2019) and PRINCE2 Foundation certification (2022)
2010-2012	PM - Wiggles neutrino mass for team of four coordinating with the Wiggles team of >50 researchers, Danish Council for Independent Research [1.2 MDDK]

Supervision of students

Master's students	Ph.D. students	University/institution - Country
17	8 (including co-supervision)	University of Queensland (School of Mathematics and Physics), Australia University of New South Wales (School of Physics), Australia University of Copenhagen (Niels Bohr Institute), Denmark University of Oslo (Institute of Theoretical Astrophysics, Departments of Physics, Informatics, Mathematics), Norway NTNU (Departments of Mathematical Sciences, Computer Science), Norway SRH University of Applied Sciences Heidelberg , Germany

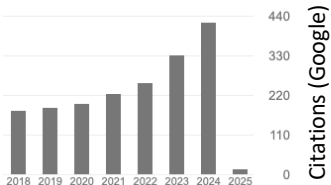
Other relevant professional experiences

Year	Role - Description
2024-	Member of the Scientific Advisory Committee for the Belgian research institute VITO
2023	Member of expert group mapping AI in Norway for RCN (AI-billion initiative)
2023-	SINTEF representative for AI in the AI, Data and Robotics Association (Adra)
2023-	Board member , Norwegian AI Cloud, RCN infrastructure project [91 MNOK, 10 partners]
2022-	Leader of SINTEF's prioritized research area "Artificial Intelligence" including foresight, incubator for new research areas, and talent development
2022-	Head of NORA Innovation Council, board member for Norwegian Research School on AI
2022-	External opponent for three PhD graduates at NTNU (Faculty of Information Technology and Electrical Engineering, Faculty of Engineering)
2021-	Member of Editorial board for Nordic Machine Intelligence
2017-2018	Member of a five-person working group designing career development for postdocs at the Faculty of Mathematics and Natural Sciences, University of Oslo. The program is still used.

Track record

Publications across several fields result in variations across automated databases.

45 published papers (17 as first-author) in high-impact peer-reviewed journals (as of January 2025). The first author-papers account for more than 880 citations (Google Scholar). Average of **62 citations per paper**, which is around six times higher than the mean impact of papers in the best physics and astrophysics journals (e.g. PRL, 9.1) and 1.5 times the best computer science journals (e.g. NeurIPS proceedings, 30-40 depending on the year). The **h-index of 22** is higher than a normally successful scientist (Hirsch, 2005, PNAS 102, 16569).



	Google Scholar	NASA ADS	Scopus
Publications	60	38	22
Citations	2809	2046	1736
h-index	22	20	20