

University of Bergen

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Nationality: French

Born: September 1, 1989

Current position: Associate professor

Etienne Cheynet

Research Profile

My research focuses on atmospheric turbulence, wind engineering, and experimental meteorology, with applications in offshore wind energy, bridge aerodynamics, and atmospheric measurement techniques. I develop methods to characterise turbulence and map mean wind conditions in complex terrain and marine boundary layers. The work combines natural science and engineering and contributes to interdisciplinary efforts in wind energy and structural dynamics. Research topics include regulatory aspects of offshore wind development, full-scale structural monitoring, remote sensing of wind and the use of drone-based sensor systems for turbulence measurements. I emphasise collaboration, reproducibility, open data, and the practical applicability of research outcomes.

Education

2013-2016 **PhD**, *University of Stavanger (UiS)*, Stavanger, Norway

2009-2012 **MSc**, *École Nationale Supérieure de Mécanique et d'Aérotechnique (ISAE-ENSMA)*, Futuroscope technopole, France

PhD thesis

Title Wind-induced vibrations of a suspension bridge: A case study in full-scale
Supervisors Prof. Jasna B. Jakobsen and Prof. Jónas Snæbjörnsson
Description The thesis examines the full-scale wind-induced vibrations of the Lysefjord Suspension Bridge in Rogaland, Norway. Since 2013, the bridge has been equipped with a wind and structural health monitoring system. In May 2014, Doppler wind lidar systems were installed at the bridge site to analyse the wind flow around the structure. This thesis presents a comprehensive validation of the buffeting theory through the integration of wind measurements and operational modal analysis.

Experience

2022–present **Associate Professor**, *University of Bergen (UiB)*, Bergen, Norway

- Led innovation in wind engineering and energy through national and EU projects.
- Supervised PhD and MSc students in engineering and interdisciplinary programs.
- Redesigned the courses ENERGI230, ENERGI321 and ENERGI322.
- Completed full pedagogical training (200 h) at the University of Bergen.
- Promoted gender balance as a working group member of GenderAct.
- Served on the steering committee for the [master in sustainability](#), UiB, Norway
- Served as Associate Editor for Wind Energy Science (Copernicus publishing)

- 2019–2022 **Post-doctoral researcher**, *University of Bergen (UiB)*, Bergen, Norway
- Processed velocity records from synchronised long-range lidars (COTUR campaign).
 - Analysed two years of records from 25 sonic anemometers in Norwegian fjords.
 - Proposed a method to simulate unfrozen atmospheric turbulence as a random process.
 - Revisited the atmospheric data from the offshore wind park Vindeby.
 - Explored full-scale offshore wind turbine vibration data from the RAVE initiative.
- 2016–2019 **Post-doctoral researcher**, *University of Stavanger (UiS)*, Stavanger, Norway
- Characterised atmospheric turbulence in the marine atmospheric boundary layer.
 - Assessed the potential of synchronised long-range wind lidars in a wide fjord.
 - Studied wind conditions in complex terrain using anemometer data and numerical methods.
 - Proposed a data-driven approach to identify characteristics of vehicles crossing a bridge.
 - Examined the combined wind and wave-induced response of a floating long-span bridge.
 - Highlighted the flow distortion of sonic anemometers mounted on a bridge.
 - Wrote a guideline to study the damping of long-span suspension bridges.
 - Created the website <https://windengineeringuis.github.io/>.
- 2013–2016 **PhD student**, *University of Stavanger (UiS)*, Stavanger, Norway
- Demonstrated the potential of the UiS-made wind and structural monitoring system.
 - Assessed the potential of a wind lidar to characterise wind turbulence at a bridge site.
 - Opened up the use of short-range synchronised wind lidar instruments in wind engineering.
 - Proposed a new method to estimate the wind coherence with a single lidar instrument.
 - Conducted the first systematic full-scale validation of the buffeting theory.

Visiting Academic Appointments

- 2025–2028 **Visiting Professor**, *Dalian University of Technology (DUT)*, Dalian, China
- May 2026 **Visiting Professor**, *Technical University of Denmark (DTU)*, Roskilde, Denmark
One-week research visit hosted by Prof. Jakob Mann.

Teaching Experience

Course Responsible

- 2023–present **ENERGI230 Energy and Environment**, *UiB*, 10 ECTS
- 2023–present **ENERGI321 Offshore Wind Energy - Part 1**, *UiB*, 5 ECTS
- 2023–2025 **ENERGI322 Offshore Wind Energy - Part 2**, *UiB*, 5 ECTS
- 2020 **ENERGI101 Introduction to Energy Resources and use**, *UiB*, 10 ECTS

Lecturer

- 2026–present **SDG309 Interdisciplinary Perspectives on Sustainability**, *UiB*, 20 ECTS
- 2022–2025 **SDG310 Interdisciplinary Approaches to Sustainability**, *UiB*, 15 ECTS
- 2019 **OFF905 PhD Project Course in Structural Engineering**, *UiS*, 10 ECTS
- 2022–2023 **ENERGI360 Wind Turbine Technology**, *UiB*, 10 ECTS

Guest Lecturer

- 2022–2026 **SDG207 Energy Transition**, *UiB*, 10 ECTS
- 2024 **ENERGI102 Life Cycle Assessment**, *UiB*, 10 ECTS

Teaching Assistant

- 2020–2021 **ENERGI230 Energy and Environment**, *UiB*, 10 ECTS

- 2018 **BYG520 *Environmental Load***, UiS, 10 ECTS
 2017 **BYG550 *Mechanical Vibrations***, UiS, 10 ECTS

Curriculum Development and Pedagogical Training

- 2022–present **Course redesign:** Led the overhaul of ENERGI230, ENERGI321, and ENERGI322, introducing a new thematic structure, project-based learning, and guest lectures from industry. Authored full lecture notes for ENERGI230, compiled into a 180-page textbook.
- 2022–2025 **Pedagogical training:** Completed UiB's 200-h teaching qualification pathway (UPED 600–602). Additional courses covered inclusivity, assessment, AI in teaching, and student supervision (2022–2025).

Researcher mentorship

I have provided mentorship and scientific guidance to early-career researchers and postdoctoral scholars outside of formal supervision roles.

- 2024–present **Stephan Kral**, *Postdoc*, UiB
 Provided scientific input on the validation of hindcast databases within the LOWT project.
- 2020–2021 **Zakari Midjiyawa**, *PhD*, NTNU, MET
 Provided intensive mentorship in wind engineering, including revisiting the research questions. Led to two peer-reviewed publications within a year and key progress toward PhD completion.

PhD supervision

- 2025–present **Beke Pierick**, *PhD*, Co-supervisor, UiB
 Fast aerodynamic models for offshore wind farms by using machine learning.
- 2025–present **Frederike Möller**, *PhD*, Co-supervisor, UiB
 Characterisation of turbulence for large wind turbines by a combination of lidar remote sensing and drone-based sonic anemometry.
- 2024–present **Yuanchen Wan**, *PhD*, Main-supervisor, UiB
 Wind loading on parabolic solar collector arrays.
- 2023–present **Rebeca Marini**, *PhD*, Co-supervisor, Vrije Universiteit Brussel
 Full-scale wind turbine performance analysis.
- 2021–2026 **Shokoufeh Malekmohammadi**, *PhD*, Co-supervisor, UiB
 Ship-based wind lidar measurements for offshore wind energy research.
- 2021–2024 **Mauro Ghirardelli**, *PhD*, Co-supervisor, UiB
 Development and test of a drone-based sonic anemometer system.
- 2018–2023 **Rieska Putri**, *PhD*, Co-supervisor, UiS
 Influence of a non-neutral atmospheric stratification on the wind-induced response of an offshore wind turbine.
- 2018–2022 **Nicolò Daniotti**, *PhD*, Co-supervisor, UiS
 Full-scale investigation of the aerodynamic properties of a suspension bridge.

MSc supervision

- 2026–present **Nandini Mechel**, *MSc*, Main supervisor, UiB
The effect of climate change on electricity demand in Germany and Norway
- 2026–present **Stefan Gröbmeier**, *MSc*, Main supervisor, UiB
Insurance Risk Assessment of Lightning Strikes for Wind Farms.
- 2026–present **Jente Willems**, *MSc*, Main supervisor, UiB
Interdisciplinary Perspectives on Atmospheric Aerosol Injection for Geoengineering
- 2026–present **Silje Welander**, *MSc*, Co-supervisor, UiB
Wind Turbine Wake Analysis Using Simulations and Scanning Wind Lidar.
- 2026–present **Julie Kaldestad-Aasen**, *MSc*, Co-supervisor, UiB
Detection and Analysis of Waves in the Marine Atmospheric Boundary Layer from Lidar Observations.
- 2025–present **Bendik Voldseth**, *MSc*, Main supervisor, UiB
Investigation of extreme weather events for insurance risk assessment of wind farms.
- 2025–2026 **Zuhir Jamaleh**, *MSc*, Main supervisor, UiB
Height-dependent coherence for offshore wind turbine dynamics.
- 2025–2026 **Mathilde Bøkevoll**, *MSc*, Main supervisor, UiB
Full-scale analysis of the flow downstream of a parabolic solar collector array.
- 2025–2025 **Lenny Hucher**, *MSc*, Main supervisor, PSL University
Applicability of WindNinja for microscale flow simulation in Norwegian fjords.
- 2024–2025 **Vejbjørn Thunshelle**, *MSc*, Main supervisor, UiB
A comparative analysis of perceived and recorded climate change in Greenland
- 2024–2025 **Lingdi Wang**, *MSc*, Main supervisor, UiB
Hywind Tampen Revisited: Alternative layout to address competition with fisheries
- 2024–2025 **Frida Krågebakk**, *MSc*, Co-supervisor, UiB
Complementarity of wind and solar energy in Southern Norway
- 2023–2024 **Hedda Wallestad**, *MSc*, Main supervisor, UiB
Wind farm layout assessment in Sørlige Nordsjø II using the FLORIS framework and the NORA3 database
- 2023–2024 **Mali Ones**, *MSc*, Main supervisor, UiB
The potential of a vertically-pointing scanning wind lidar to characterize turbulence
- 2023–2024 **Elias Villamil Fernandez**, *MSc*, Main supervisor, UiB
Offshore Wind Development Suitability in NVE's 20 Proposed Norwegian Coastal Areas
- 2022–2023 **Paulius Kavaliauskas**, *MSc*, Main supervisor, UiB
Can a dual pulsed lidar system measure the lateral coherence of turbulence?
- 2022–2023 **Fahim Masud Ahmed**, *MSc*, Co-supervisor, UiB
Low-level jet height's impact on wind turbine loads: A case study
- 2018–2019 **Julie-Ann Marie Knight**, *MSc*, Co-supervisor, UiS
The Influence of unstable turbulence on the load of a floating offshore wind turbine.

PhD Evaluation Committees

- 2025 **Sara Müller (DTU, Denmark)**, *External examiner*
Typhoon wind and turbulence structure, and its impact on wind energy application

- 2023 **Wei Fu (DTU, Denmark)**, *External examiner*
Characterization of atmospheric turbulence using nacelle lidar measurements and applications
- 2022 **Astrid Nybø (UiB, Norway)**, *Internal examiner*
The impact of turbulence modelling on large offshore wind turbine response

MSc Evaluation Committees

- 2026 **Katrine Holte (UiB, Norway)**, *Internal examiner*
- 2026 **Natthaporn Phumchat (UiB, Norway)**, *Internal examiner*
- 2026 **Sigrid Christine Pedersen (UiB, Norway)**, *Internal examiner*
- 2025 **Herman Bayer Ellingsrud (UiB, Norway)**, *Internal examiner*
- 2023 **Alexander Arvid Flem (UiB, Norway)**, *Internal examiner*
- 2023 **Gunnar England Midtbø (UiB, Norway)**, *Internal examiner*
- 2023 **Siren Charleen Krebs (UiB, Norway)**, *Internal examiner*
- 2023 **Einar Kleppenes (UiB, Norway)**, *Internal examiner*
- 2022 **Sunniva Petersen Jikiun (UiB, Norway)**, *Internal examiner*
- 2022 **Prindapan Santhakumaran (UiB, Norway)**, *Internal examiner*

Service and Institutional Responsibilities

Editorial Roles

- 2024–present **Associate Editor**, *Wind Energy Science (Copernicus Publications)*

Conference Chairing

- 2026 **Session Chair**, “*Bridge, vehicles and infrastructures*,” *CWE8, London, Canada*
- 2025 **Session Chair**, “*Wind Field Simulation*,” *EACWE 2025, Trondheim, Norway*
- 2023 **Session Chair**, “*Wind Characteristics*,” *ICWE16, Florence, Italy*
- 2022–present **Session Chair**, *Met-Ocean Session, EERA DeepWind Conference, Trondheim, Norway*

Academic Committees

- 2022–present **Steering Committee Member**, *Master in Sustainability, UiB*
- 2022–present **Scientific Committee Member**, *EERA DeepWind Conference, Trondheim*
- 2017–2019 **Scientific Committee Member**, *COTech Conference, Stavanger*

Organising and Institutional Initiatives

- 2026 **Lead-organiser**, *One-day seminar with professor Xiaomo Jiang from Dalian University of technology (DUT, China) to discuss research and educational collaboration between UiB and DUT, Bergen*
- 2026 **Lead-organiser and scientific programme lead**, *Two-day strategic workshop on wind energy research collaboration between UiB and UiT, Bergen*
- 2025 **Organizing Committee**, *Seminar on offshore Wind – An Interdisciplinary Look at Wake Effects and Possible Solutions, Bergen*
- 2022 **Organizing Committee**, [Havvindkonferansen – Science Meets Industry](#), Bergen

2022–2023 **Working Group Member**, *GenderAct* – UiB

Commission Work and Hiring Committees

- 2026 **Member, Appointment Committee**, *Researcher position in Data-Driven Computational Mechanics for Offshore wind energy*, UiB
- 2024 **Member, Appointment Committee**, *PhD position in experimental boundary layer and wind energy meteorology (Marie Skłodowska-Curie)*, UiB
- 2023 **Member, Appointment Committee**, *Postdoctoral position in data-driven aero-hydro-elastic analysis of offshore wind turbines*, UiB
- 2023 **Member, Appointment Committee**, *Postdoctoral position in wind energy meteorology*, UiB
- 2023 **Chair, Appointment Committee**, *PhD position in wind engineering*, UiB
- 2021 **Member, Appointment Committee**, *PhD position in wind energy meteorology (Marie Skłodowska-Curie)*, UiB
- 2020 **Member, Appointment Committee**, *Short-term fellowship in wind energy meteorology*, UiB
- 2020 **Member, Appointment Committee**, *Short-term fellowship in development of a meteorological UAS (Unmanned Aerial System)*, UiB
- 2020 **Member, Appointment Committee**, *PhD position in experimental boundary layer meteorology*, UiB

Peer reviewing and editorial activities

I have 73 verified peer reviews on Web of Science and handled 27 manuscripts as an associate editor for Wind Energy Science since 2024. I reviewed for Scientific Data, Scientific Reports, Engineering structures, Remote sensing, Journal of Bridge Engineering, Applied Science, Sensors, Boundary layer meteorology, Journal of wind engineering and Industrial Aerodynamic, Meteorology and Atmospheric Physics, Journal of Applied Remote Sensing, Atmospheric Measurement Techniques, Atmospheric Chemistry and Physics, Wind Energy Science, IOP journal of physics conference series, Science progress, Measurement, journal of fluids and structures.

Scientific Projects and Grants

Although not always the formal principal investigator (PI), I have played a central scientific role in several large-scale national and international projects. My contributions range from concept development and cross-disciplinary collaboration to data analysis, authorship, and research mentoring. These projects reflect my ability to shape research agendas, drive innovation, and build bridges across academic fields.

- **2025–2028**: Oversea Visiting Professor Talent Program, Dalian University of Technology (China) (150 kNOK). **Role**: Visiting professor. Applied for the program with support from DUT; contributes to joint research and cross-cultural teaching on offshore wind energy research.
- **2024–2028**: Akademiavtale (7 mNOK). *Machine Wind: Fast aerodynamic models for offshore wind farm optimisation using machine learning*. **Role**: Co-designer and co-PI of the project as an expert on atmospheric turbulence to integrate turbulence effects into the aerodynamic model.

- **2024–2028:** MSCA Horizon Europe (37 mNOK). *NEXTgenT: NEXT generation of over 25 MW offshore wind turbine rotor design*. **Role:** Scientific contributor and co-supervisor. Recommendations and methods originally proposed in the LOWT project were incorporated into NEXTgenT.
- **2023–2026:** academia-industry R&D initiative (19 mNOK). *BEL-Float: Catalyzing the Belgian industrial expertise in floating wind through academic innovation*. **Role:** Participation: Norwegian doctoral co-supervisor.
- **2022–2027:** NFR FRIPRO (12 mNOK). *LOWT: Large Offshore Wind Turbines—Structural Design Accounting for Non-Neutral Wind Conditions*. **Role:** Co-designer of project proposal and formulated central research directions.
- **2021–2022:** Research Collaboration (900 kNOK). *COTUR II: Analysis of the COTUR Database*. **Role:** Co-designer and principal scientific expert. Project design and execution relied on my lidar expertise and prior work on the COTUR campaign. Led the data analysis and interpretation.
- **2020–2021:** UH-nett Vest (249 kNOK). *Estimation of Long-Term Power Production from Floating Wind Parks*. **Role:** Co-designer of project proposal. Provided technical expertise on offshore wind conditions.
- **2018–2020:** Research Collaboration (3.9 mNOK). *COTUR: Measuring Coherence and Turbulence with Lidars at Obrestad*. **Role:** Scientific expert. The project faced critical challenges, and I reoriented it toward successful outcomes through methodological innovation and rigorous data analysis. Main contributor to published results and practical lidar deployment strategies.

Leadership and Management Experience

Research Leadership and Team Management

- 2025– Lead of UiB's wind engineering thematic group; coordinate a cross-disciplinary team (3 MSc, 3 PhD, 2 researchers) spanning resource assessment, turbulence modelling, and structural dynamics, integrating mesoscale/microscale models with lidar, sonic, and UAV sensing.
- 2018– Co-PI/co-designer or contributor on multi-partner projects, including *Machine Wind* (Akademivtale, 2024–2028, 7 mNOK; co-PI), *LOWT* (NFR FRIPRO, 2022–2027, 12 mNOK; co-designer/WP follow-up), *NEXTgenT* (MSCA DN, 2024–2028, 37 mNOK), and *BEL-Float* (2023–2026, 19 mNOK); lead scientific expert for Equinor-led *COTUR/COTUR II* (2018–2022; 3.9+0.9 mNOK).
- 2018– Supervision and mentoring of 8 PhD candidates (3 completed, 1 near completion) and 18 MSc students (12 completed); implemented targeted interventions to recover stalled PhDs and supported international conference/keynote visibility for junior researchers.
- 2021–2022 Led UiB's scientific delivery to Equinor in *COTUR II*, coordinating methods, data analysis and reporting; co-initiated the *ImpactWind* law–science collaboration linking academia, industry and policy.
- 2025–2028 Overseas Visiting Professor, Dalian University of Technology; supports joint research, guest teaching, curriculum development, and student exchange.
- 2024–2028 Co-supervisor within MSCA *NEXTgenT*; contribute to international doctoral training and research secondments.

2024–2026 Facilitate international research collaboration and secondments with partner institutions including VUB and PSL university.

Academic Governance and Institutional Service

2022– Steering committee member, UiB Master's in Sustainability; responsible for quality assurance of the Energy Transition and Climate Change track; initiated weighted thesis rubrics (adopted 2023) and revised admission criteria (2025).

2022– Curriculum leadership at UiB: redesigned ENERGI321/322 around aligned learning outcomes and graded project+exam structure; authored a 180-page ENERGI230 textbook; implemented rubrics, quizzes and external lecturers.

2022– Academic hiring and evaluation: served on eight appointment committees at UiB (including chair for a PhD hire, 2023); PhD examiner at UiB and DTU.

Scientific Community Leadership and Convening

2026 Designed and co-organised the scientific programme for a two-day strategic UiB–UiT workshop on wind energy, convening 30 academic and industry participants to advance a national interdisciplinary research network, develop a shared research roadmap, and initiate continued workshops and student exchange.

2025 Co-organised and served as speaker and panelist at *Offshore Wind – An Interdisciplinary Look at Wake Effects and Possible Solutions* with Norwegian and international firms (Luther, Frontier Economics, Wikborg Rein), University of Bergen.

2024– Associate Editor, *Wind Energy Science* (27 manuscripts handled); 73 verified peer reviews across leading journals; promote open science through 55+ datasets/software releases (Zenodo) and 60 MATLAB toolboxes (53,600+ downloads).

2022– Conference leadership: metocean track co-lead and session chair at EERA DeepWind; scientific committee member; session chair at ICWE16 (2023) and EACWE (2025); co-organiser of *Havvindkonferansen – Science Meets Industry* (2022).

Awards and Honours

- 2020: L. Meltzer University Fund Travel Stipend, UiB, Norway.
- 2020: Thomas A. Wyatt Best Paper Award, Norwegian Public Road Administration.
- 2013: Best poster Award at DeepWind 2013:10th Deep-Sea Offshore Wind R&D Conference

Dissemination and Communication

Teaching and Public Outreach

2026 Lecturer at the concluding seminar of the continuing education course ENERGI660 ([Renewable Energy Resources and the Energy System](#)).

2025 Lecturer at the [Workshop for the European Doctoral Network NEXTgenT](#).

2024 Lecturer at the Learning Day for technical staff, Faculty of Science and Technology (UiB). Talk title: *"Energy variability: the case of wind energy"*.

2023–2024 Lecturer at the [ImpactWind Summer School](#).

2022–present Lecturer for the online course [Introduction to Offshore Wind Energy](#) (UiB Continuing Education).

- 2018 Public science talk at Forskerstandup, Stavanger: [Hvordan kan vi se vinden i en fjord?](#)

Policy and Public Engagement

- 2026 Speaker (in Norwegian) at *One Ocean Week*, Litteraturhuset, Bergen. Provided an overview of Norway's role in the future of the European offshore wind energy industry (46 participants).
- 2025 Speaker (in Norwegian) at *Debatt om havvind – Rosendalsveko*, Folgefonnssenteret, Rosendal. Gave an introduction on offshore wind potential on Norway's west coast.
- 2024 Panelist in the webinar "*Bør norsk havvindsatsing settes på pause?*", co-organised by UiB and GCE Ocean Technology. Discussed offshore wind policy and economic implications of Finanspolitikkutvalget's report.
- 2023 Contributor to a government hearing response (*høringsvar*) on the strategic environmental assessment of new offshore wind areas, submitted to the Ministry of Energy and Petroleum. [\[Link\]](#)

Invited Talks and Seminars

- 2026 Invited seminar and a one week research visit hosted by Professor Jakob Mann, Technical University of Denmark (DTU), Title: *Atmospheric measurement techniques for wind energy: from scanning lidar to drone-based turbulence observations*.
- 2026 Invited talk: "*Multicopter Drone-Mounted Sonic Anemometer: Current Development at the University of Bergen*", Annual Seminar of the Norwegian Association for Wind Engineering, Stavanger.
- 2025 Invited talk: "*Science to Insurance: Improved Extreme Wind Estimates for Offshore Wind Assets*", Havvindkonferansen: Science Meets Industry, Bergen.
- 2025 Guest lecture: "*ERA5 for wind resource assessment: an introduction*", Dalian University of Technology, China (as part of the Visiting Professor Talent Program).
- 2024 Guest lecture: "*Offshore wind in the North Sea: challenges and potentials for Norway*", Dalian University of Technology, China.
- 2024 Invited workshop on scientific writing with L^AT_EX, organised by Lumen (Fagutvalg for Energi), University of Bergen.
- 2023 Invited webinar: "*Gone with the wind? Wind farm-induced wakes and regulatory gaps*", EERA JP Wind webinar series (with Ignacio Herrera Anchustegui).
- 2022 Invited talk at Equinor workshop: "*Non-neutral Coherence of turbulence during the COTUR campaign*", Bergen.
- 2022 Invited talk: "*Metoccean conditions at two Norwegian sites for development of offshore wind farms*", Havvindkonferansen: Science Meets Industry, Bergen.
- 2021 Invited webinar: "*Wind-induced response of a 5 MW offshore wind turbine*", Research at Alpha Ventus (RAVE) Workshop.
- 2021 Invited talk: "*Structural monitoring of offshore wind turbines for predictive maintenance*", Offshore Technology Days (OTD), Stavanger.
- 2020 Invited webinar: "*New Challenges in Wind-Structure interaction*", IN-VENTO 2020 Web-Event, Italian association for wind engineering.

- 2020 Invited webinar: *"Offshore wind potential in Norway and the North Sea"*, VIII November Conference on Brazilian–Norwegian Energy Research.
- 2019 Invited seminar: *"Turbulence analysis from sonic anemometers on the Bjørnafjord masts"*, Norwegian Public Roads Administration, Stavanger.

Media Presence and Outreach

- 2025 Co-author of an op-ed in *Teknisk Ukeblad*: [Havvind på pause, kabler til utlandet og håpet om billig strøm](#).
- 2023 Expert commentary in NRK article on wind energy conflicts: [Frykter nytt vindkraftverk vil «stjele» vinden](#).
- 2023 Co-initiator and contributor to a cross-faculty peer-reviewed publication featured in international media outlets: [BBC](#), [Die Welt](#) [The Guardian](#), and [Recharge News](#).
- 2020 Featured in article on the Tom A. Wyatt Prize for wind research: [To unge vindforskere får pris](#) (forskning.no).
- 2017 Featured in article on lidar-based wind measurements for floating bridge design in the Ferjefri E39 project: [Skal sikre verdens lengste flytebru mot kraftig vind](#) (forskning.no).
- 2014 Featured in article on wind-induced vibrations and structural monitoring of Lysefjord Bridge: [Tester hvor mye en bru tåler](#) (forskning.no).

Open-Source Tools

- 2020–present Published over 55 open-access datasets, software tools, and papers on Zenodo, supporting reproducible research in wind engineering, turbulence modelling, and structural dynamics. These resources have accumulated more than 25,000 views and 5,800 downloads.
- 2023–present Redesigned the L^AT_EX master's thesis template for the Faculty of Science and Technology at the University of Bergen, available on [Overleaf](#). Since its release in October 2023, the template has been used in over 1,280 new projects. Median monthly engagement includes 37 projects with sustained use (>25 hours), indicating consistent, high-impact adoption by most students in the integrated MSc in energy.
- 2015–present Contributor to the [MATLAB File Exchange](#) with 60 toolboxes and over 53,600 downloads worldwide. URL link: [profileid:4608373](#)

Professional affiliations and societies

- 2024–present: Member, Norwegian Association for Wind Engineering (Norsk Forening for Vindteknikk).
- 2022–present: Member, International Society for Atmospheric Research using Remotely-piloted Aircraft (ISARRA).
- 2018–2020: Member, Italian Association for Wind Engineering (ANIV).

Languages

French	Mother tongue	
English	Proficient user (C1)	<i>cf. European reference framework for Language Levels</i>
Norwegian	Independent User (B2–C1)	

German Basic user (A2)

References

Reference 1

Prof. Jasna B. Jakobsen
University of Stavanger
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Reference 2

Prof. Jónas Snæbjörnsson
University of Reykjavík
jonasthor@ru.is

Reference 3

Prof. Joachim Reuder
University of Bergen
Joachim.Reuder@uib.no

Publications

Summary 34 peer-reviewed journal articles (18 as lead or co-lead author), 18 conference papers (8 as lead author), and 4 other publications.

Google Scholar scholar.google.com/citations?user=dpbpYlsAAAAJ – Citations: 1392, h-index: 24, i10-index: 31

Scopus scopus.com/authid/detail.uri?authorId=57112532000 – Citations: 785, h-index: 16

Web of Science webofscience.com/wos/author/record/A-5797-2017 – Citations: 698, h-index: 16

Peer-reviewed journal articles

- [1] Y. Wan, E. Cheynet, U. Egerer, and Y. Li. Wind conditions for solar energy facility design based on field measurements at Nevada Solar One. *Solar Energy*, 317:114872, 2026.
- [2] R. Marini, K. Vratsinis, P.-J. Daems, T. Verstraeten, E. Cheynet, and J. Helsen. Influence of environmental characteristics on power production in an offshore wind turbine in the Belgian North Sea. *Wind Energy Science Discussions*, 2026:1–33, 2026.
- [3] S. Malekmohammadi, E. Cheynet, J. Reuder, C. Linnemann, M. Sjöholm, J. Mann, and G. Giebel. The LOLland offshore Lidar EXperiment (LOLLEX): A novel observational approach for the study of wind farm flow and entrainment. *Atmospheric Measurement Techniques*, 2026. Accepted for publication.
- [4] E. Cheynet, Y. Wan, and K. Dikilitaş. Cross-cultural phd supervision in norway: A reflective case study. *Norsk tidsskrift for Scholarship of Teaching and Learning*, 1, 2026.
- [5] S. Malekmohammadi, E. Cheynet, and J. Reuder. Observation of Kelvin–Helmholtz billows in the marine atmospheric boundary layer by a ship-borne Doppler wind lidar. *Scientific Reports*, 15(1):5245, 2025.
- [6] M. Ghirardelli, S. T. Kral, E. Cheynet, and J. Reuder. SAMURAI-S: Sonic Anemometer on a Multi-Rotor drone for Atmospheric turbulence Investigation in a Sling load configuration. *Atmospheric Measurement Techniques*, 18(9):2103–2124, 2025.
- [7] N. Daniotti, J. B. Jakobsen, J. T. Snæbjörnsson, and E. Cheynet. Wind turbulence around a bridge deck in full scale. *Journal of Fluids and Structures*, 135:104313, 2025.

- [8] N. Daniotti, J. B. Jakobsen, E. Cheynet, and J. T. Snæbjörnsson. Surface pressure measurement system for investigating bridge aerodynamics. *Measurement*, 254:117747, 2025.
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