Curriculum Vitae
Sabrina Sartori, University of Oslo

1. Personal information

Dr. Sabrina Sartori
Professor of Physics, Department of Technology Systems, University of Oslo (UiO)
https://www.mn.uio.no/its/english/people/aca/sabrinsa/
Nationality: Italian

Education

2003:	PhD in Materials Science and Engineering from the University of Bologna, Italy.
1999:	Course in Environmental Law and Politics, University of Padova. Best thesis award.
1998:	Master degree in Chemistry at the University of Padova, Italy. Score equivalent to A-level.
2004:	Additional degree: Master in Science Communication at the ISAS (International School for Advanced Studies) of Trieste, Italy. Score: A-level. Science Communication award.
2022:	Oxford Strategic Innovation Programme course 2022.

In 2004-2011 she studied "Theory and techniques of musical composition", Music Conservatory Cesare Pollini, Padova, Italy.

Employment history

2022-	Full professor of Physics and section leader, Department of Technology Systems, UiO
2013-2022	Associate professor and Section leader, Department of Technology Systems (ITS), University of Oslo (in 2013-2016 affiliated at Department of Physics, UiO)
2012-2016	Researcher at University Graduate Center (UNIK)
2010-2014	Researcher at the Institute for Energy Technology (IFE), Norway
2005-2010	Post doc at the Department of Physics, IFE, Norway (4 years and 10 months)
2003-2005	Post doc at the Dept. of Mechanical Engineering and Physics, Univ. of Padova (28 months)
2000-2002	PhD grant from University of Bologna (3 years)
1999	Post-graduate research grant at the Dept. of Physical Chemistry, Univ. of Padova (9 months)
1995	Socrates/Erasmus grant, Institute of Organic Chem., University of Goettingen, Germany (3 months)

2. Scientific interests, qualifications

Main scientific qualifications/interests: Solid-state physics and chemistry including synthesis and characterization of materials for energy conversion and storage. (e.g. metal hydrides, oxides, chalcogenides, amorphous materials). Sol-gel synthesis of film and powders for energy related applications (solid electrolytes, smart windows and electrodes for batteries). Structure characterization via in-situ and operando synchrotron and neutron radiation experiments at large-scale facilities. Investigation of nanoscale and porous materials via small-angle scattering. Design and study of innovative energy systems for the integration of renewable energy into the power grid.

Scientific track record:
The first 6 years of Sartori´s scientific career after the master (1999-2005) were devoted to materials for optical limiting and ionic conductivity obtained by sol-gel; and synthesis and characterization of hydrogen storage materials. Sartori was involved in the European project MOLALC in 1997-1999.
During December 2005 to 2014 (8 years) Sartori was working as research scientist at IFE (Institute for Energy Technology) in Kjeller. The research was focused on hydrogen storage in light complex hydrides and nano-confined porous materials, investigated with synchrotron and neutron large-scale facilities. During this period Sartori acquired an extensive experience into handling research and reports connected to three major European projects (STORHY, NESSHY, NANOHy).
From 2012, and initially with overlapping positions at IFE, UNIK and UiO, Sartori was back at the University, focusing on energy storage materials, extending her interest in batteries and solid-state ionic conductors, in addition to the core research in materials for hydrogen storage and production. In addition to working in the field of energy storage materials, in recent years Sartori has been the initiator of several projects for the integration of renewable energy into the power grid. At the University of Oslo, she has been active in several front, for instance:

- Establishing and teaching four new MSc/PhD **courses** and creating and leading a master program (Renewable Energy Systems); supervising more than 25 MSc and 10 PhD students
- PI at various international and national projects about energy storage and integration with renewable energy, among others: European project AtLAST and AtLAST2, FME HYDROGENi, research school HySchool, FME Solar.

Publications:
h-index: https://scholar.google.no/citations?user=Egza7WYAAAAJ&hl=no

Book Co-author of the book: "Neutron Scattering and Other Nuclear Techniques for Hydrogen in Materials", *Springer*, 2016, VIII.
Book "Characterization of Nanomaterials", Ehrenfried Zschech, Robert Sinclair, Rodrigo Martins, Marco Sebastiani and Sabrina Sartori (Eds.), MDPI, 2021 (139 pages).
Book Co-author: "Energy Justice in Latin America", Routledge, 2025.

3. Teaching and supervision:

Mentorship:
- Sartori served as mentor in the mentoring program for female postdocs 2018/2019.
- Panelist in the webinar event, followed by ca. 350 participants from around the world: Career Paths in Materials Science and Engineering, October 22, 2019 (https://mrs.digitellinc.com/mrs/live/376/page/1726)
- Panelist in the webinar event (ca. 170 participants): Writing Concrete Abstracts and Titles, September 9, 2020 (https://mrs.digitellinc.com/mrs/live/619/page/2879)

Teaching:

2013-*present*	Organizer and responsible of the PhD/MSc course "Renewable Energy: Science and Technology" (TEK5300/9300, previously called UNIK4800/9800); (10 ETC)
2020-*present*	Organizer and co-responsible of the MSc course "Hydrogen Technology" (10 ETC)
2022- *present*	Organizer and responsible for a course Innovation in energy technologies", start date spring 2023, 5 ETC. Funding received from UiO:Energy to develop the course
2023-present	Organizer and co-responsible of PhD/MSc course "Innovation in Energy Technology" (TEK5430/9430)
2015-2022	Co-organizer and co-lecturer for the PhD/MSc course "Battery Technology" (TEK5320/9320, previously UNIK4810/9810) (10 ETC)
2020	Organizer and lecturer of the Energy course (bachelor), Scuola Superiore dell'Università di Catania, Italy
2019-2024	Head of Master Science program *Renewable Energy Systems*, UiO

She has *been guest lecturer* at various University courses in Norway.

In addition to her appointment at UiO, Sartori has been involved abroad in 17 international **PhD schools**, as **PhD school invited lecturer and organiser**

4. Scientific management experience

She is leading a research group that counts various master and PhD students and post docs fellows. Sartori is heavily involved in the management of activities at the Department of Technology Systems, UiO, for instance:

2018-present	Section Leader, Energy Systems, Department of Technology Systems, UiO
2019-2024	Head of Program Board for the master program: Renewable Energy Systems
2019- present	Leader group member Birkeland
2017-2020	Board member of the Department of Technology Systems, UiO
2017-present	Member of recruitment committee, Department of Technology Systems
2017-present	Interview committee member for PhD and master candidates at UiO and abroad
2017-2018	Member of the working group for the establishment at ITS of a new master program «Renewable Energy Systems», (program started in 2019)
2013-2016	Coordinator of the Energy and Environment section, University Graduate Centre UNIK

Sartori is/has been **organizer of international meetings**, among them the prestigious MRS 2020 Fall Meeting, the GRS, **and international PhD schools**:

2026 Symposium organizer (co-chair) Hydride, Oxide, and Halide Materials for Energy, Space, and Quantum Technologies at the 2026 MRS Spring Meeting and Exhibit on April 26 – May 1, 2026 in Honolulu, Hawaii. MRS Spring Meeting, Hawaii 2026
2025 Symposium organizer (co-chair) Electronic, Photonic, Nano, Low-dimensional and Quantum Materials at E-MRS, Warsaw, 15-18 September 2025
2020 Meeting Chair for the 2020 MRS Fall Meeting, Boston, 29 November-4 December 2020 (event on-line)
2020 Symposium organizer (co-chair) European Nanoanalysis Symposium at E-MRS, Warsaw, 9th October 2020 (event on-line)
2019 7th Dresden Nanoanalysis symposium "Nano-scale characterization for cutting edge materials research and sustainable materials development", August 30, Dresden
2018 Organizer of Workshop on Energy Systems for the Norwegian grid, 24 September, Oslo
2018 Organizer of the 1st Workshop Mechanochemistry for Hydrides, 30 May-1 June, Oslo
2018 Organizer IEA HIA, Task 32 meeting, 15-18 April, Venezia, Italy
2015 Organizer of international seminar Japan-Norway, Oslo, September 24-25
2013 Organizer of intensive PhD school: "Hydrogen", University of Padova, November 21-22
2013 Organizer of intensive PhD school: "Materials for Renewable Energy", University of Uppsala, Sweden, November 10-16
2013 Organizer of international workshop "Thermoelectric power generators", Oslo, October 16
2011 1st Gordon Research Seminar (GRS) on H-M Systems, Stonehill College, USA, July 16-17. Because of this initial success, the seminar is now officially part of the Gordon conferences portfolio.

Scientific organizing committee member (selected conferences)
2024 Metal-Hydrogen systems, 26-31 May, Saint Malo, France
2024 The Atacama Large Aperture Submillimeter Telescope (AtLAST) design study: results, science, and next steps, 21-24 May, Mainz, Germany

7. International profile

Main international visiting stays
2025 Visiting scholar, Ca´Foscari University, Italy (3 months)
2018 National University of Singapore (1 month)
2017 Keio University and Kyoto (3 weeks, February-March)
2016 Guest professor, Doshisha University, Keio University, and AIST, Japan (1 month)
2015 Guest professor, Italian Institute of Technology (IIT), Genova, Italy (1 month)
2014 Guest professor, Feinberg Foundation Visiting Faculty Program Fellow, Weizmann Institute of Science, Israel (3 months)
2012 Guest researcher, Savannah River National Laboratory, South Carolina, USA, March-April
2010-2011 Guest researcher, DIM University of Padova, Italy, December/January
2009 Guest researcher, Karlsruhe Institute of Technology (KIT), Germany), March
2005 Guest researcher, Leibniz-Institute for Solid State and Materials Research, Germany, June
1995 Visiting student, Erasmus program, Institut für Organische Chemie of Georg-August-University of Goettingen, Germany (3 months)

Invited/plenary presentations at conferences (excluding Schools):
In addition to the invitation at international schools mentioned before, Sartori has been invited to give more than 30 invited talks/plenary presentations.

Prizes and awards:
2023 Titan award, for excellence in science communication, University of Oslo
2022 Education award, University of Oslo
2020 IJHE David Sanborn Scott Award for the most cited paper in the Hydrogen storage & Distribution category of the year 2019
2014 Energy & Environmental Science Journal Prize, Royal Society of Chemistry, for the work

	presented at ICS, February 5, Tel Aviv, Israel
2012-2013	Feinberg Foundation Visiting Faculty Program award, 2012-2013 cycle, from the Weizmann Institute of Science, Israel, "to form ties with young individuals whom it is hoped will develop in the future into leaders in their field"
2013	Gordon Research Conference on Hydrogen-Metal Systems award, Barga, Italy
2012	Ettore Majorana Foundation and Centre for Scientific Culture award, Erice, Italy
2011	Gordon Research Conference (H-M Systems) award, Stonehill College, USA
2011	Niels-Bohr International Academia Workshop-School on ESS Science award, Denmark
2009	General Motors award, Gordon Research Conference H-M Systems, Barga, Italy
2007	General Motors award, Gordon Research Conference H-M Systems, Colby, USA
2001	Science Communication Award, International School for Advanced Studies, Trieste
1999	Thesis Award, European Union project *Chaire Verte*

Leadership and Commissions of trust:

2025	Chair of Von Hippel award
2025	Member of Topical Curation Subcommittee, MRS
2025-2027	Expert for Norway for IEA HIA Task 51 "Hydrogen Materials for Energy Storage"
2022-2024	President Elect of Materials Research Society (Vice President 2022, President 2023, Immediate Past President 2024)
2021-2024	Member MRS Meeting Committee - Program Development Subcommittee
2020-2021	Advisory Board member, Greenstat Hydrogen India Pvt Ltd (company)
2019-2024	Expert for Norway for IEA HIA Task 40 Energy storage and conversion based on hydrogen
2018-	Advisory editorial Board member, MRS Energy & Sustainability journal
2021-2022	Editorial Board MRS Bulletin
2015-2017	Elected member to the Board of Directors of the Materials Research Society (MRS), USA
2014-2018	Member of the Management committee for COST Action MP1306
2013-2016	Board member of Norwegian Hydrogen Forum (NHF), Norway
2013-2018	Expert for Norway for IEA HIA Task 32
2015-2019	Leader group for Kyoto International Forum for Environment and Energy (KIFEE)
2013-2020	Editorial Board for MRS Bulletin Energy Quarterly, USA
2014-	Expert reviewer for EU and Euratom research and innovation programmes
2018	Member of MRS Bulletin Task Force

Peer review, Contracts as European Expert and international opposition:

Sartori is a regular reviewer for numerous journals within the field of Solid-State Chemistry/Physics /Materials Science including: Phys. Chem., J Alloys and Compounds, etc.

EU Expert reviewer for the Seventh Framework programme:

2021	Expert contract for Technical review of H2020-EIC-FETPROACT-2019-951974 — CleanHME
2016	Expert contract for Technical review of the project Safe H Power
2015	Expert contract for Technical review of the project Safe H Power (Continuous monitoring systems for the SAFE storage, distribution and usage of Hydrogen POWER for transport). Project number 309223
2014	Expert contract for Technical review of the project PHOCS (Photogenerated Hydrogen by Organic Catalytic Systems). Project number 309223

In addition:

2021 Evaluator of Helmholtz International Research Schools (HIRS).

2017 Expert for the German Helmholtz Association, to selecting the best applications for Helmholtz Young Investigators Groups.

9. Science Communication

Free lance since 2001. Sartori has written popular science and cultural articles for the Italian newspaper *La Difesa del Popolo*, on web journals (e.g. http://jekyll.sissa.it; JCOM Journal of science communication (https://jcom.sissa.it); http://matematica.unibocconi.it; http://www.nonsoloscienza.it), and others. She conceived and realized two expositions, realised projects of science communication to children & young adults and described her research in various articles and interviews in: radio, cinema, web, journals, YouTube.