

# CURRICULUM VITAE<sup>1</sup>

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| <b>Name:</b>                 | Helge Holden                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Born:</b>                 | September 28, 1956 in Oslo. Norwegian nationality.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Position:</b>             | Professor of mathematics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Address:</b>              | Department of Mathematical Sciences<br>NTNU Norwegian University of Science and Technology<br>Alfred Getz' vei 1<br>NO-7491 Trondheim<br>Norway                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Email:</b>                | helge.holden@ntnu.no                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>URL:</b>                  | <a href="https://www.ntnu.edu/employees/holden">https://www.ntnu.edu/employees/holden</a> , <a href="http://www.helgeholden.no">www.helgeholden.no</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Researcher ID:</b>        | ORCID 0000-0002-8564-0343                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Education:</b>            | Dr. Philos., University of Oslo, 1985,<br>Cand. real., University of Oslo, 1976–81 (major: mathematics).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Positions:</b>            | Professor, Norwegian University of Science and Technology, 1991– present,<br>Associate Professor, University of Trondheim, 1986–1990,<br>Research Assistant, University of Oslo, 1982–86.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Honors:</b>               | Knight 1st Class of the Royal Norwegian Order of Saint Olav, 2024,<br>The Gunnerus Medal, Royal Norwegian Society of Sciences and Letters, 2022,<br>Doctor honoris causa, Vietnam Academy of Science and Technology, Hanoi, 2017,<br>The Faculty's award for 2005 for popularization of science,<br>Fulbright Scholarship, 1985–86,<br>Lucy B. Moses "Thanks to Scandinavia" Scholarship, 1985–86,<br>The King of Norway has been informed in the Council of State about the cand. real. exam, 1981.                                                                                                                                                                                                                                                                                                            |
| <b>Longer stays abroad:</b>  | Visiting professor, University of Missouri–Columbia, 8/96–7/97,<br>Visiting member, California Institute of Technology, 1/89–7/89,<br>Visiting Member, Courant Institute of Mathematical Sciences, New York University, 8/85–7/86.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>External engagements:</b> | Adjunct professor, Centre of Mathematics for Applications, University of Oslo, 2002–15,<br>Visiting professor, Simula Research Laboratory, Oslo ( <a href="http://www.simula.no">www.simula.no</a> ), 2001–05.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Memberships:</b>          | Norwegian Academy of Science and Letters (Elected),<br>Royal Norwegian Society of Sciences and Letters (Elected),<br>Norwegian Academy of Technological Sciences (Elected),<br>Academia Europaea (Elected),<br>European Academy of Sciences (Elected),<br>TWAS — The World Academy of Sciences (Elected),<br>Fellow, American Mathematical Society (AMS),<br>Fellow, Society for Industrial and Applied Mathematics (SIAM),<br>Heidelberg Laureate Forum Founders Club (lifetime member),<br>Norwegian Mathematical Society (lifetime member),<br>European Mathematical Society (EMS) (lifetime member),<br>International Association of Mathematical Physics (IAMP) (lifetime member).                                                                                                                         |
| <b>Offices (current):</b>    | President-elect, European Mathematical Society, present–12/2026,<br>Chair, the Onsager Committee, NTNU, circa 2000–2026,<br>Board member of <i>Store norske leksikon</i> (The Great Norwegian Encyclopedia), 2022–present,<br>Board member of the Scientific Committee of the Heidelberg Laureate Forum, 2013–present,<br>Member of the Scientific Advisory Board of the Finnish Centre of Excellence in<br>Randomness and Structures (FiRST), 2022–2029,<br>Chair of the Board of Directors of the Lie–Størmer Center, 2022–present,<br>Officer of the Division of Mathematics of the European Academy of Sciences, 2023–present,<br>Member of the International Advisory Board at University of Gothenburg, 1/2024–12/2026,<br>Chair, Stiftungsrat of the Heidelberg Laureate Forum Foundation, 2016–present, |

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<sup>1</sup>Updated July 21, 2026

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| <b>Offices (current):</b> | Member Scientific Advisory Board, Faculty of Mathematics, University of Vienna, 2025–2028.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Offices (past):</b>    | <p>Member of the Board of NTNU, 2009–2017,</p> <p>President of the Royal Norwegian Society of Sciences and Letters, 2014–2016,</p> <p>Secretary General, The International Mathematical Union, 2015–2018, 2019–2022,</p> <p>Chair, The European Research Council Consolidator Grant panel, 2013, 2015, 2017,</p> <p>Chair, Scientific Advisory Board, the Erwin Schrödinger Institute, Vienna, Austria, 2016–2019,</p> <p>Member, Scientific Advisory Board, the Erwin Schrödinger Institute, Vienna, Austria, 2012–2016,</p> <p>Chair of the Abel Prize Committee, 2023–2026,</p> <p>Chair, The Niels Henrik Abel Board, 2011–2014,</p> <p>President, European Consortium for Mathematics in Industry, 2004–2006,</p> <p>Vice-president, European Mathematical Society, 2007–2010,</p> <p>Secretary, European Mathematical Society, 2003–2006,</p> <p>Chair of the Nominating Committee of the International Mathematical Union, 2024–2026,</p> <p>Chair of the Election Committee of the Norwegian Academy of Science and Letters, 2023–2026,</p> <p>Board member of Norwegian Academy of Science and Letters, 2020–2022,</p> <p>Board member of the Norwegian Academy of Technological Sciences, 2003–2012,</p> <p>Member of the VISTA Board of the Norwegian Academy of Science and Letters, 2011–2015,</p> <p>Chair, Honorary Doctor Committee, NTNU, 2017–2019,</p> <p>Chair, National committee for promotion to full professor in mathematics, c. 2004–2011,</p> <p>Chair, the Research Council of Norway committees: SUNT (2000–2006), BeMatA (2000–2006),</p> <p>Chair, the Research Council of Norway committee: eVITA (2009–2015),</p> <p>Member of board, Norwegian Mathematical Society, 1999–2004,</p> <p>Chair, Department of Mathematical Sciences, 7/1990–12/1992,</p> <p>Member of the Membership Advisory Committee of TWAS, 2022–2023,</p> <p>Member of Scientific Committee for the sixth European Congress of Mathematics (6ECM), 2012,</p> <p>Member of Board of Natural Sciences, DKNVS, 2001–2013,</p> <p>Member of Board of DKNVS, 2012–2016,</p> <p>Member of ERC Advanced Grant panel, 2011.</p> |
| <b>Editor:</b>            | <p>Acta Mathematica (member of editorial board),</p> <p>Springer Undergraduate Text Mathematical Technology (member of editorial board),</p> <p>Nonlinear Analysis: Real World Applications (member of editorial board),</p> <p>Advances in Computational Mathematics (member of editorial board),</p> <p>Research in the Mathematical Sciences (member of editorial board),</p> <p>Open Communications in Nonlinear Mathematical Physics (member of editorial board),</p> <p>Vietnam Journal of Mathematics (member of editorial board).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Students:</b>          | Supervised 24 PhD students (1 current), supervised more than 90 master students.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Publications:</b>      | Co-written 7 books, co-edited 16 books, published more than 125 papers in international journals.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Grants:</b>            | <p>Principal Investigator of Waves and Nonlinear Phenomena (WaNP) “Toppforsk” grant 2016–2022,</p> <p>Principal Investigator and participant in several major grants, 1990–2015.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Talks:</b>             | <p>More than 240 international and national lectures and media events since 1990,</p> <p>Distinguished Lecture of the Swedish Mathematical Society 2023,</p> <p>Invited speaker, Fourth European Congress of Mathematics, Stockholm 2004,</p> <p>Invited speaker, HYKE-2 Conference, Paris, 2004,</p> <p>Keynote lecture, ECMOR IV conference 1994.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Miscellaneous:</b>     | <p>Co-organized semester programs at the Mittag-Leffler Institute, Sweden (Fall 2005, 2016, 2023),</p> <p>Co-organizer of special program at the Centre for Advanced Study, Oslo, 2008–2009,</p> <p>Co-organizer of Abel Symposia 2010, 2023.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Evaluations:</b>       | <p>University of Helsinki, Finland, 2025,</p> <p>University of Copenhagen, Denmark, 2018 and 2023 (chair),</p> <p>Lund University, Sweden, 2020,</p> <p>Uppsala University, Sweden, 2007 (chair), 2017 (chair), 2024,</p> <p>Technical University of Denmark, 2008,</p> <p>Royal Institute Technology, Stockholm, Sweden, 2012,</p> <p>University of Gothenburg, Sweden, 2010,</p> <p>Swedish National Agency for Higher Education, Sep. 2001,</p> <p>Aalborg University, Denmark, 2000.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |