**Curriculum vitae with track record (for researchers)**

**\* ROLE IN THE PROJECT** Project manager ☐ Work package leader ☐ Project partner ☒  
 **\* PERSONAL INFORMATION**

|  |  |  |  |
| --- | --- | --- | --- |
| \*Family name, First name: | Hjorth-Jensen, Morten | | |
| \*Date of birth: | 29.07.1961 | \*Sex: | M |
| \*Nationality: | Norwegian | | |
| Researcher unique identifier(s)  (ORCID, ResearcherID, etc.): | <https://publons.com/researcher/1751939/morten-hjorth-jensen/>  <https://scholar.google.com/citations?user=nuiyEmwAAAAJ&hl=no> | | |
| URL for personal website: | <http://mhjgit.github.io/info/doc/web/> | | |

**\* EDUCATION**

|  |  |
| --- | --- |
|  | Name of faculty/department, name of university/institution, country |
| *1993* | *PhD in Theoretical Nuclear Physics, Department of Physics, University of Oslo, Norway* |
| *1988* | *SivIng in Theoretical Physics, Department of Physics, NTH, Norwegian Institute of Technology, Trondheim, Norway* |

**\* POSITIONS** (academic, business, industry, public sector, national or international organisations)

**Current Position**

|  |  |
| --- | --- |
|  | Job title/name of employer/country |
| 2001-present | Professor of Physics, University of Oslo, Norway |
| 2012-present | Professor of Physics, Michigan State University, East Lansing, Michigan, USA |

**Previous positions held**

|  |  |
| --- | --- |
|  | Job title/name of employer/country |
| 1989-1994 | Research assistant, University of Oslo, Norway |
| 1994-1996 | Post-doctoral fellow, European Center for Theoretical Studies in Nuclear Physics and Related Areas, Trento, Italy |
| 1996-1998 | Post-doctoral fellow, Nordita, Copenhagen, Denmark |
| 1999-2001 | Associate Professor in Physics, University of Oslo, Norway |
| 2003-2011 | Adjunct Professor of Physics, Michigan State University, USA |

**FELLOWSHIPS, AWARDS AND PRIZES**

|  |  |
| --- | --- |
|  | Name of institution/country |
| 2000 | U[niversity of Oslo award for excellence in teaching](http://www.uniforum.uio.no/nyheter/2000/11/det-viktigste-er-aa-inspirere.html) |
| 2007 | Fellow of the American Physical Society |
| 2008 | Oak Ridge National Laboratory excellence in research award |
| 2011 | [University of Oslo award for excellence in teaching](http://www.uniforum.uio.no/nyheter/2011/08/undervisning-for-framtidig-forsking.html) for the **Computing in Science Education** project |
| 2012 | NOKUT (Norwegian entity of quality assessment in higher education) [award for excellence in teaching](http://www.uniforum.uio.no/nyheter/2012/04/uio-tok-andreplass-i-utdanningskvalitet.html) for the **Computing in Science Education** project |
| 2015 | U[niversity of Oslo award for excellence in teaching](http://www.uniforum.uio.no/nyheter/2015/10/instituttet-som-lofter-fram-gode-forelesere.html) for developing the Computational Physics group |
| 2018 | Osborne award for excellence in teaching, Michigan State University |
| 2018 | **Olav Thon Foundation** [National prize for excellence in teaching award](https://www.ntbinfo.no/pressemelding/olav-thon-stiftelsen-annonserte-arets-priser-42-millioner-til-forskning-og-undervisning?publisherId=8983491&releaseId=16475069) (National, all Norwegian higher education institutions) |
| 2020 | University of Oslo merited teacher award |
| 2021 | College of Natural Science Norman L and Olga K. Fritz Excellence in Teaching Award, Michigan State University |

**MOBILITY**

**Research stays abroad lasting more than three months**

|  |  |
| --- | --- |
|  | Name of faculty/department/centre, name of university/institution/country |
| 2004-2005 | Visiting professor at CERN |
| 1999-present | Many research stays abroad, Oak Ridge national laboratory, Michigan State university and the European Center for Theoretical Studies in Nuclear Physics and other |

**PROJECT MANAGEMENT EXPERIENCE**

**Projects funded by Research Council of Norway, international research programmes, private or public organisations**

|  |  |
| --- | --- |
|  | Project and role, funding from |
| 1999-present | Several research grants from the Research Council of Norway, the National Science Foundation, USA and the Department of Energy, USA. I have been and am principal investigator (PI) and co-PI. I was a Co-PI at the Norwegian Center of Excellence Center of Mathematics for Applications, 2003-2013, University of Oslo and I am a Co-PI at the center of excellence in education Center for Computing in Science Education, 2016-2026, University of Oslo, Norway. |

**SUPERVISION OF GRADUATE STUDENTS AND RESEARCH FELLOWS**

|  |  |  |  |
| --- | --- | --- | --- |
|  | No. of | Master’s students/ Ph.D./Postdocs | Name of faculty/department/centre, name of university/institution/country |
| 1999-present | 95 | Master of Science Students | Department of Physics, University of Oslo, Oslo, Norway |
| 2012-present | 1 | Master of Science students | Department of Physics and Astronomy, Michigan State University, East Lansing, Michigan, USA |
| 1999-present | 18 | Ph.D | Department of Physics, University of Oslo, Oslo, Norway |
| 2012-present | 9 | Ph.D | Department of Physics and Astronomy, Michigan State University, East Lansing, Michigan, USA |
| 2012-present | 1 | Post-doctoral fellow | Department of Physics and Astronomy, Michigan State University, East Lansing, Michigan, USA |
| 1999-present | 6 | Post-doctoral fellows | Department of Physics, University of Oslo, Oslo, Norway |

**ORGANISATION OF MEETINGS**

|  |  |
| --- | --- |
|  | Role and name of event/number of participants/country |
| 1989-pressent | I have organized more than 40 workshops, conferences and schools, with hundreds of participants from essentially all continents. See my CV at <http://mhjgit.github.io/info/doc/pub/cv/html/cv.html> for more information |

**MEMBERSHIPS OF ACADEMIES / SCIENTIFIC SOCIETIES / NETWORKS**

|  |  |
| --- | --- |
|  | Name of academies, scientific societies, networks |
| 2013-present | Elected member of the Norwegian Academy of Sciences and Letters |
| 2015-present | Elected member of the Royal Norwegian Society of Sciences and Letters |

**Publications:** 155 total refereed publications; h-index =61 (Google Scholar at <https://scholar.google.com/citations?user=nuiyEmwAAAAJ&hl=no>)

1. M. Hjorth-Jensen, M. P. Lombardo, and U. van Kolck (Editors), *An Advanced Course in Computational Nuclear Physics; Bridging the Scales from Quarks to Neutron Stars*, Lecture Notes in Physics **936**, 2017
2. G. Hagen, A. Ekstro¨m, C. Forss´en, G. R. Jansen, W. Nazarewicz, T. Papenbrock, K. A. Wendt, S. Bacca, N. Barnea, B. Carlsson, C. Drischler, K. Hebeler, M. Hjorth-Jensen, M. Miorelli, G. Orlandini, A. Schwenk, and J. Simonis, *Charge, neutron, and weak size of the atomic nucleus*, Nature Physics **12**, 186 (2016).
3. Amber Boehnlein, Markus Diefenthaler, Cristiano Fanelli, Morten Hjorth-Jensen, Tanja Horn, Michelle P. Kuchera, Dean Lee, Witold Nazarewicz, Kostas Orginos, Peter Ostroumov, Long-Gang Pang, Alan Poon, Nobuo Sato, Malachi Schram, Alexander Scheinker, Michael S. Smith, Xin-Nian Wang, Veronique Ziegler, [Artificial Intelligence and Machine Learning in Nuclear Physics](https://arxiv.org/abs/2112.02309), Reviews of Modern Physics, press
4. Robert Solli, Daniel Bazin, Michelle P. Kuchera, Ryan R. Strauss, Morten Hjorth-Jensen, *Unsupervised Learning for Identifying Events in Active Target Experiments*, [Nuclear Instruments and Methods in Physics Research Section A](https://www.sciencedirect.com/science/article/abs/pii/S0168900221004460)**[1010](https://www.sciencedirect.com/science/article/abs/pii/S0168900221004460)**[, 165461, (2020)](https://www.sciencedirect.com/science/article/abs/pii/S0168900221004460)
5. Aynom T. Teweldebrhan, Thomas Schuler, John Burkhart, and Morten Hjorth-Jensen, Coupled machine learning and the limits of acceptability approach applied in parameter identification for a distributed hydrological model, [Hydrology and Earth System Sciences 24, (2020), 4641](https://hess.copernicus.org/articles/24/4641/2020/)
6. T. Papenbrock, G. Hagen, M. Hjorth-Jensen, and D. J. Dean, *Coupled-cluster computations of atomic nuclei*, Reports on Progress in Physics **77**, 096302 (2014).
7. A. Ekstro¨m, G. Baardsen, C. Forss´en, G. Hagen, M. Hjorth-Jensen, G. Jansen, R. Machleidt, W. Nazarewicz, T. Papenbrock, J. Sarich, and S. Wild, *Optimized Chiral Nucleon-Nucleon Interaction at Next-to-Next-to- Leading Order*, Physical Review Letters **110**, 192502 (2013).
8. D. J. Dean and M. Hjorth-Jensen, *Pairing in nuclear systems: from neutron stars to finite nuclei*, Reviews of Modern Physics **75**, 607 (2003).
9. H. Heiselberg and M. Hjorth-Jensen, *Phases of dense matter in neutron stars*, Physics Reports **328**, 237 (2000).
10. M. Hjorth-Jensen, T. T. S. Kuo, and E. Osnes, *Realistic effective interactions for nuclear systems*, Physics Reports **261**, 125 (1995).

One published textbook (ref 1 above) and two to be published in 2022.