

Present and former students and post-doctoral fellows

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Master of Science, PhD and Post-doctoral fellows

I have guided and co-guided more than 100 Master of Science students and PhD students.

Present PhD students.

1. Benjamin Hall, Michigan State University, started 2018. Research topic: Quantum Computing and the Nuclear Many-body problem
2. Jane Kim, Michigan State University, started 2018. Research topic: Machine Learning and the Nuclear Many-body problem
3. Julie Butler, Michigan State University, started 2018. Research topic: Machine Learning and the Nuclear Many-body problem
4. Øyvind Sigmundsson Schøyen, University of Oslo, started 2019. Research topic: Time-dependent many-body theory and quantum computing
5. Stian Bilek, University of Oslo, started 2020, defends thesis September 2024. Quantum Computing and Machine Learning
6. Jonas Boym Flaten, University of Oslo, started 2020, defends thesis December 2024. Quantum Many-Body theories
7. Omokuyani C. Udiani, Michigan State University, started 2017, co-supervisor. Research topic: Nuclear Many-body theory
8. Danny Jammaa, Michigan State University, started 2020, co-supervisor. Research topic: Quantum Computing and Machine Learning

9. Paulina Souza Tedesco, University of Oslo, started 2020, defends thesis fall 2023, Machine Learning and Meteorology, co-supervisor
10. Katarzyna Michałowska, University of Oslo, started 2020, defends thesis fall 2023, Machine Learning, co-supervisor
11. Einar Aurbakken, University of Oslo, started 2020, defends thesis fall 2024, Quantum Chemistry and Many-body Physics, co-supervisor

Present Master of Science Students.

1. Eina Jørgensen, University of Oslo, (2019-2021), co-supervisor
2. Morten Hemmingsen, University of Oslo, (2019-2021), co-supervisor
3. Huying Zhu, University of Oslo, (2019-2021), co-supervisor
4. Jens Due Bratten, University of Oslo, (2019-2021), co-supervisor
5. Gabriel Cabrera, University of Oslo, (2019-2021), co-supervisor
6. Kristian Wold, University of Oslo, (2019-2021)
7. Martin Krokan Hovden, University of Oslo, (2019-2021)
8. Johan Nereng, University of Oslo, (2019-2021)
9. Oliver Hebnes, University of Oslo, (2019-2021), co-supervisor
10. Mohamad Ismail, University of Oslo, (2019-2021), co-supervisor
11. Stian Isachsen, University of Oslo, (2018-2020), co-supervisor

Former PhD students and their present positions.

1. John Mark Aiken, University of Oslo, started 2017, defended thesis September 2020, co-supervisor. Research Topic: Machine Learning applied to Physics Education Research. Now post-doctoral fellow at the University of Minnesota, Minneapolis.
2. Justin Lietz (PhD MSU 2019), now post-doctoral fellow at Oak Ridge National Laboratory, Computational Science Division
3. Samuel Novario (PhD MSU 2018), now post-doctoral fellow at Oak Ridge National Laboratory, Physics Division
4. Fei Yuan (PhD MSU 2018), employed at Google as computational scientist
5. [Gustav Baardsen](#) (PhD UiO 2014). From 2015 to 2018, post-doctoral researcher at the Center for Theoretical and Computational Chemistry (CTCC), University of Oslo. Now employed by Varian Medical Systems, Helsinki, Finland.

6. [Simen Kvaal](#) (PhD UiO 2009), researcher, Department of Chemistry, University of Oslo. Recipient of an ERC starting grant
7. [Gustav Jansen](#) (PhD UiO 2012), now permanent position as scientist at the Computational Science Division of Oak Ridge National Laboratory
8. [Torquil MacDonald Sørensen](#) (PhD UiO 2012), post-doctoral fellow at the Department of Mathematics, UiO
9. [Jon Kerr Nilsen](#) (PhD UiO 2010), senior engineer at the University of Oslo center for information technologies (co-supervisor)
10. [Marius Lysebo](#) (PhD UiO 2010), now Associate Professor at Oslo University College, (co-supervisor)
11. [Elise Bergli](#) (PhD UiO 2010), teacher Ås high school, Norway
12. [Eirik Ovrum](#) (PhD UiO 2007), now Associate Professor at the University College of Southeast of Norway
13. [Gaute Hagen](#) (PhD UiB and UiO 2005), now permanent position as scientist at the Physics Division of Oak Ridge National Laboratory. Recipient of the Department of Energy Early career award
14. Øystein Elgarøy (PhD UiO 1999), now professor of Theoretical Astrophysics at the University of Oslo, Norway (co-supervisor)
15. Lars Engvik (PhD UiO 1999), now Associate Professor at Sør-Trøndelag University College, Trondheim, Norway, (co-supervisor)

Post-doctoral fellows and their present positions.

1. [Andreas Ekstrøm](#) (UiO and MSU 2010-2014), now Associate Professor at Chalmers Technological University in Gothenburg, Sweden
2. Øyvind Jensen (UiO 2011), now researcher at the [Institute for Energy Technology](#)
3. [Simen Kvaal](#) (UiO 2008-2012), researcher, Department of Chemistry, University of Oslo. Recipient of an ERC starting grant
4. Elise Bergli (UiO 2010-2011), now teacher at Ås high school, Norway
5. Sølve Selstø (UiO 2008-2010), now Professor at Oslo Metropolitan University
6. Nicolas Michel (MSU 2013), now senior researcher at Langzhou Nuclear Physics Laboratory, China

Former Master of Science Students(links to their thesis will be added).

1. Heine Aabø, University of Oslo, (2018-2020)
2. Stian Bilek, University of Oslo, (2018-2020)
3. Thomas Sjøstad, University of Oslo, (2018-2020), co-supervisor
4. Eirik Thorsrud, University of Oslo, (2018-2020), co-supervisor
5. Halvard Sutterud, University of Oslo, (2018-2020)
6. Marius Holm, University of Oslo, (2018-2020), co-supervisor
7. Geir Utvik, University of Oslo, (2018-2020)
8. Markus Aspurusten, University of Oslo, (2018-2020), co-supervisor
9. Vebjørn Gilberg, University of Oslo, (2017-2020), co-supervisor
10. Kari Eriksen, University of Oslo, (2017-2020)
11. Robert Solli, University of Oslo, (2017-2019)
12. Andreas Lefdalsnes, University of Oslo, (2017-2019)
13. Joseph Knutson, University of Oslo, (2017-2019)
14. Bendik Samseth, University of Oslo, (2017-2019)
15. Even Nordhagen, University of Oslo, (2017-2019)
16. Øyvind Schøyen Sigmundson, University of Oslo, (2017-2019)
17. Sebastian Gregorius Winther-Larsen, University of Oslo, (2017-2019)
18. Giovanni Pederiva, University of Oslo, (2016-2018), co-supervisor
19. Anna Gribovskaya, University of Oslo, (2016-2018)
20. Andrei Kucharenka, University of Oslo, (2016-2018)
21. Vilde Moe Flugsrud, University of Oslo, (2016-2018)
22. Alfred Alocias Mariadason, University of Oslo, (2016-2018)
23. Marius Jonsson, University of Oslo, (2016-2018)
24. Hans Mathias Vege Mamen, University of Oslo, (2016-2019), co-supervisor
25. Alexander Fleischer, University of Oslo, (2015-2017)
26. Håkon Emil Kristiansen, University of Oslo, (2015-2017)
27. Morten Ledum, University of Oslo, (2015-2017)

28. Håkon Treider Vikør, University of Oslo, (2015-2017), co-supervisor
29. Jon-Andreas Stende, University of Oslo, (2015-2017), co-supervisor
30. Sean Bruce Sangholt Miller, University of Oslo, (2015-2017)
31. Christian Fleischer, University of Oslo, (2015-2017)
32. John Bower, Michigan State University, (2014-2017)
33. Wilhelm Holmen, University of Oslo (2014-2016)
34. Roger Kjøde, University of Oslo, (2014-2016)
35. Håkon Sebastian Mørk, University of Oslo, (2014-2016)
36. Jonas van den Brink, University of Oslo, (2014-2016), co-supervisor
37. Marte Julie Sætra, University of Oslo, (2014-2016), co-supervisor
38. Audun Skau Hansen, University of Oslo, (2013-2015)
39. Henrik Eiding, University of Oslo, (2012-2014)
40. Svenn-Arne Dragly, University of Oslo, (2012-2014)
41. Milad Hobbi Mobarhan, University of Oslo, (2012-2014)
42. Ole Tobias Norli, University of Oslo, (2012-2014)
43. Filip Sand, University of Oslo, (2012-2014), co-supervisor
44. Emilie Fjørner, University of Oslo, (2012-2014), co-supervisor
45. Jørgen Høgberget, University of Oslo, (2011-2013)
46. Sarah Reimann, University of Oslo, (2011-2013)
47. Karl Leikganger, University of Oslo, (2011-2013)
48. Sigve Bøe Skattum, University of Oslo, (2011-2013)
49. Veronica Berglyd Hansen, University of Oslo, (2010-2012)
50. Camilla Nestande Kirkemo, University of Oslo, (2010-2012), co-supervisor
51. Christoffer Hirth, University of Oslo, (2009-2011)
52. Marte Hoel Jørgensen, University of Oslo, (2009-2011)
53. Yang Min Wang, University of Oslo, (2009-2011)
54. Ivar Nikolaisen, University of Oslo, (2009-2011)
55. Vegard Amundsen, University of Oslo, (2008-2010)

56. Håvard Sandsdalen, University of Oslo, (2008-2010)
57. Lars Eivind Lervåg, University of Oslo, (2008-2010)
58. Magnus Lohne Pedersen, University of Oslo, (2008-2010)
59. Simen Sørby, University of Oslo, (2008-2010), co-supervisor
60. Sigurd Wenner, University of Oslo, (2008-2010), co-supervisor
61. Lene Norderhaug Drøsdal, University of Oslo, (2007-2009)
62. [Islen Vallejo](#), [University of Oslo](#), (2007-2009), works at the Norwegian Institute for Air Research
63. Jacob Kryvi, Norwegian University of Science and Technology, (2007-2009), co-supervisor
64. Rune Albrigtsen, University of Oslo, (2007-2009)
65. Johannes Rekkedal, University of Oslo, (2007-2009)
66. Patrick Merlot, University of Oslo, (2007-2009)
67. Gustav Jansen, University of Oslo, (2006-2008)
68. Ole Petter Harbitz, University of Oslo, (2006-2008)
69. Sutharsan Amurgian, University of Oslo, (2005-2007)
70. Jon Thonstad, University of Oslo, (2005-2007)
71. Espen Flage-Larsen, University of Oslo, (2003-2005)
72. Joachim Berdahl Haga, University of Oslo, (2004-2006)
73. Jon Kerr Nilsen, University of Oslo, (2002-2004)
74. Simen Kvaal, University of Oslo, (2002-2004)
75. Simen Reine Sommerfelt, University of Oslo, (2002-2004)
76. Mateuz Marek Røstad, University of Oslo, (2002-2004)
77. Victoria Popsueva, University of Oslo, (2002-2004)
78. Eivind Brodal, University of Oslo, (2001-2003)
79. Eirik Ovrum, University of Oslo, (2001-2003)
80. Ronny Kjelsberg, Norwegian University of Science and Technology, (2001-2003)

Member of Graduate Advisory Committees at Michigan State University. I am member or chair person of the following graduate student committees at Michigan State University:

1. Justin Lietz, chair, defended thesis June 2019.
2. Fei Yuan, chair. Defended thesis January 24 2018.
3. Sam Novario, chair. Defends thesis February 7 2018.
4. John Bower, chair together with Scott Bogner. Master of Science thesis May 2017.
5. Adam Jones, committee member. Master of Science thesis July 2017.
6. Chris Sullivan, committee member. Defended thesis January 2018.
7. Thomas Redpath, committee member. Defended thesis October 2019.
8. Sean Sweany, committee member, defends thesis fall 2020.
9. Rachel Taverner, committee member. Defended thesis May 2019.
10. Nathan Parzuchowski, committee member. Defended thesis April 2017.
11. Titus Morris, committee member. Defended thesis May 2016
12. Kenneth Whitmore, committee member. Defended thesis June 2016
13. Alex Dombos, committee member. Defended thesis May 2018.
14. Josh Bradt, committee member, Defended thesis July 2017.
15. Charles Loelius, committee member, Defended thesis May 2017.
16. Safwan Shanab, committee member. Defended thesis January 2020.
17. Hao Lin, committee member. Defended thesis July 2020.
18. Mao Xingze, committee member. Defended thesis July 2020.
19. Amy Lovell, committee member. Defended thesis January 24 2018.
20. Debra Richman, committee member, defends thesis December 2020.
21. Roy Ready, committee member. Defended thesis May 2020.
22. Nathan Watwood, committee member. Defended thesis February 2021.
23. Ben Hall, chair, thesis defense planned 2022
24. Udiani Omokuyani, committee member
25. Jane Kim, chair, thesis defense planned 2023

26. Khan Zhu, committee member.
27. Byeon Heejun, committee member. Defended thesis December 2020.
28. Golubev Timofey, committee member. Defended thesis December 2020.
29. Hermansen, Kirby, committee member
30. Watkins Jacob, , committee member
31. Hill Matthew Steven, committee member