

Present and former students and post-doctoral fellows

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Present PhD students.

1. [Øyvind Sigmundsson Schøyen](#), University of Oslo, started fall 2019. Thesis defense spring/summer 2024. Research topic: Time-dependent many-body theory and quantum computing
2. [Stian Bilek](#), University of Oslo, started fall 2020. Quantum Computing and Machine Learning
3. [Jonas Boym Flaten](#), University of Oslo, started fall 2020. Quantum Many-Body theories and quantum computing
4. [Oskar Leinonen](#), University of Oslo, started fall 2022. Quantum computing
5. [Danny Jammaa](#), Michigan State University, started 2020, co-supervisor. Research topic: Quantum Computing and Machine Learning.
6. [Patrick Cook](#), Michigan State University, started 2020, co-supervisor. Research topic: Quantum Computing and Machine Learning.
7. [Aymeric McRae](#), Michigan State University, started 2020, co-supervisor. Research topic: Quantum Computing and Machine Learning.
8. [Nicholas Cariello](#), Michigan State University, started 2020, co-supervisor. Research topic: Quantum Computing and Machine Learning.
9. Einar Aurbakken, University of Oslo, started 2020, defends thesis fall 2024, Quantum Chemistry and Many-body Physics, co-supervisor
10. [Andreas H. Mjøs](#), started fall 2021. Thesis topic: Bayesian statistics applied to nuclear physics experiments, co-supervisor
11. [Erlend Lima](#), started fall 2021. Thesis topic: Bayesian statistics applied to nuclear physics experiments, co-supervisor

12. [Christina Kappatou](#), started fall 2022. Thesis topic: Geoscience and Machine Learning, co-supervisor
13. [Alf Johan Skarpeid](#), started fall 2023, Thesis topic: Experimental condensed matter physics, co-supervisor
14. [Ruben Pariente Bassa](#), started fall 2023, co-supervisor. Research topic: Quantum Computing.
15. [Sunniva Meltzer](#), started fall 2023, co-supervisor. Research topic: Machine learning.

Former PhD students and their present positions.

1. [Paulina Souza Tedesco](#), University of Oslo, started 2020, defended thesis September 2024, Machine Learning and Meteorology, co-supervisor. Now researcher at the Institute for Meteorology, Oslo, Norway
2. [Jane Kim](#), Michigan State University, started fall 2018. Defended thesis July 20, 2023. Research topic: Machine Learning and the Nuclear Many-body problem. Now post-doctoral research fellow at University of Ohio, Athens, USA.
3. [Julie Butler](#), Michigan State University, started fall 2018. Defended thesis July 18, 2023. Research topic: Machine Learning and the Nuclear Many-body problem. Now Assistant Professor at Mt Union university, Akron, Ohio
4. [Benjamin Hall](#), Michigan State University, started 2017. Defended thesis August 25, 2022. Research topic: Quantum Computing and the Nuclear Many-body problem. Present job: scientist and researcher at [Super.Tech](#)
5. 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 Oslo and scientist at Expert Analytics
6. [Justin Lietz](#) (PhD MSU, June 2019), permanent position as scientist at Oak Ridge National Laboratory, Computational Science Division, 2019-2023. Now researcher at NVidia.
7. [Samuel Novario](#) (PhD MSU, February 2018), post-doctoral fellow at Oak Ridge National Laboratory, Physics Division, 2018-2020, post-doctoral fellow at Los Alamos National Laboratory 2020-2023 and now staff scientist at University of Washington. St. Louis since fall 2023.
8. [Fei Yuan](#) (PhD MSU, January 2018), Software engineer at Google

9. [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.
10. [Simen Kvaal](#) (PhD UiO 2009), Associate Professor, Department of Chemistry, University of Oslo. Recipient of an ERC starting grant
11. [Gustav Jansen](#) (PhD UiO 2012), now permanent position as scientist at the Computational Science Division of Oak Ridge National Laboratory
12. [Torquil MacDonald Sørensen](#) (PhD UiO 2012), post-doctoral fellow at the Department of Mathematics, UiO
13. [Jon Kerr Nilsen](#) (PhD UiO 2010), senior engineer at the University of Oslo center for information technologies (co-supervisor)
14. [Marius Lysebo](#) (PhD UiO 2010), Professor at Oslo University College, (co-supervisor)
15. [Elise Bergli](#) (PhD UiO 2010), teacher Ås high school, Norway and Assistant Professor at the Norwegian University of Life Sciences.
16. [Eirik Ovrum](#) (PhD UiO 2007), principal consultant DNV
17. [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

Post-doctoral fellows and their present positions.

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

Member of Graduate Advisory Committees at Michigan State University. I am (have been) 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 2018.
3. Sam Novario, chair. Defended thesis February 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 2021.
22. Nathan Watwood, committee member. Defended thesis February 2021.
23. Ben Hall, chair, thesis defense August 2022
24. Udiani Omokuyani, committee member, defended thesis December 2024
25. Julie Butler, chair, defended thesis July 2023

26. Jane Kim, chair, defended thesis July 2023
27. Khan Zhu, committee member.
28. Byeon Heejun, committee member. Defended thesis December 2020.
29. Golubev Timofey, committee member. Defended thesis December 2020.
30. Hermansen, Kirby, committee member
31. Watkins Jacob, , committee member, defended thesis spring 2024.
32. Givens Gabriel, , committee member, defended thesis November 2024.
33. Hill Matthew Steven, committee member
34. Larose, Ryan, committee member, defended thesis May 2022

Present Master of Science Students.

1. Odin Johansen (2023-2025)
2. Jonny Igeh Aarstad (2023-2025)
3. Yevgehnii Volkov (2023-2025)
4. Ida Madsen (2023-2025), co-supervisor
5. Luis Roberto Jiminez Arteta (2023-2025), co-supervisor
6. Joseph Ivan Panana Vera (2023-2025), co-supervisor

Former Master of Science Students.

1. Daniel Haass Beccatini Lima (2022-2024)
2. Håkon Kvernmoen (2022-2024)
3. Keran Chen (2022-2024)
4. Simen Løken (2022-2024)
5. Henrik Modahl Breitenstein (2022-2024)
6. Linus Ekstrøm (UiO 2020-2022)
7. Philip Karim Niane Sørli (UiO 2020-2022)
8. Karl Henrik Fredly (UiO 2020-2022)
9. Adrian Kleven (UiO 2020-2022), co-supervisor
10. Kaspara Gåsvær (UiO 2020-2022), co-supervisor

11. Maria Horgen (UiO 2020-2022), co-supervisor
12. Jens Due Bratten, University of Oslo, (2019-2021)
13. Kristian Wold, University of Oslo, (2019-2021)
14. Martin Krokan Hovden, University of Oslo, (2019-2021)
15. Johan Nereng, University of Oslo, (2019-2021)
16. Oliver Hebnes, University of Oslo, (2019-2021), co-supervisor
17. Heine Aabø, University of Oslo, (2018-2020)
18. Stian Bilek, University of Oslo, (2018-2020)
19. Thomas Sjøstad, University of Oslo, (2018-2020), co-supervisor
20. Halvard Sutterud, University of Oslo, (2018-2020), co-supervisor
21. Marius Holm, University of Oslo, (2018-2020), co-supervisor
22. Geir Utvik, University of Oslo, (2018-2020)
23. Vebjørn Gilberg, University of Oslo, (2017-2020), co-supervisor
24. Kari Eriksen, University of Oslo, (2017-2020)
25. Robert Solli, University of Oslo, (2017-2019)
26. Andreas Lefdalsnes, University of Oslo, (2017-2019)
27. Joseph Knutson, University of Oslo, (2017-2019)
28. Bendik Samseth, University of Oslo, (2017-2019)
29. Even Nordhagen, University of Oslo, (2017-2019)
30. Øyvind Schøyen Sigmundson, University of Oslo, (2017-2019)
31. Sebastian Gregorius Winther-Larsen, University of Oslo, (2017-2019)
32. Giovanni Pederiva, University of Oslo, (2016-2018), co-supervisor
33. Anna Gribovskaya, University of Oslo, (2016-2018)
34. Andrei Kucharenka, University of Oslo, (2016-2018)
35. Vilde Moe Flugsrud, University of Oslo, (2016-2018)
36. Alfred Alocias Mariadason, University of Oslo, (2016-2018)
37. Marius Jonsson, University of Oslo, (2016-2018)
38. Hans Mathias Vege Mamen, University of Oslo, (2016-2019), co-supervisor

39. Alexander Fleischer, University of Oslo, (2015-2017)
40. Håkon Emil Kristiansen, University of Oslo, (2015-2017)
41. Morten Ledum, University of Oslo, (2015-2017)
42. Håkon Treider Vikør, University of Oslo, (2015-2017), co-supervisor
43. Jon-Andreas Stende, University of Oslo, (2015-2017), co-supervisor
44. Sean Bruce Sangholt Miller, University of Oslo, (2015-2017)
45. Christian Fleischer, University of Oslo, (2015-2017)
46. John Bower, Michigan State University, (2014-2017)
47. Wilhelm Holmen, University of Oslo (2014-2016)
48. Roger Kjøde, University of Oslo, (2014-2016)
49. Håkon Sebastian Mørk, University of Oslo, (2014-2016)
50. Jonas van den Brink, University of Oslo, (2014-2016), co-supervisor
51. Marte Julie Sætra, University of Oslo, (2014-2016), co-supervisor
52. Audun Skau Hansen, University of Oslo, (2013-2015)
53. Henrik Eiding, University of Oslo, (2012-2014)
54. Svenn-Arne Dragly, University of Oslo, (2012-2014)
55. Milad Hobbi Mobarhan, University of Oslo, (2012-2014)
56. Ole Tobias Norli, University of Oslo, (2012-2014)
57. Filip Sand, University of Oslo, (2012-2014), co-supervisor
58. Emilie Fjørner, University of Oslo, (2012-2014), co-supervisor
59. Jørgen Høgberget, University of Oslo, (2011-2013)
60. Sarah Reimann, University of Oslo, (2011-2013)
61. Karl Leikganger, University of Oslo, (2011-2013)
62. Sigve Bøe Skattum, University of Oslo, (2011-2013)
63. Veronica Berglyd Hansen, University of Oslo, (2010-2012)
64. Camilla Nestande Kirkemo, University of Oslo, (2010-2012), co-supervisor
65. Christoffer Hirth, University of Oslo, (2009-2011)
66. Marte Hoel Jørgensen, University of Oslo, (2009-2011)

67. Yang Min Wang, University of Oslo, (2009-2011)
68. Ivar Nikolaisen, University of Oslo, (2009-2011)
69. Vegard Amundsen, University of Oslo, (2008-2010)
70. Håvard Sandsdalen, University of Oslo, (2008-2010)
71. Lars Eivind Lervåg, University of Oslo, (2008-2010)
72. Magnus Lohne Pedersen, University of Oslo, (2008-2010)
73. Simen Sørby, University of Oslo, (2008-2010), co-supervisor
74. Sigurd Wenner, University of Oslo, (2008-2010), co-supervisor
75. Lene Norderhaug Drøsdal, University of Oslo, (2007-2009)
76. [Islen Vallejo](#), [University of Oslo](#), (2007-2009), works at the Norwegian Institute for Air Research
77. Jacob Kryvi, Norwegian University of Science and Technology, (2007-2009), co-supervisor
78. Rune Albrigtsen, University of Oslo, (2007-2009)
79. Johannes Rekkedal, University of Oslo, (2007-2009)
80. Patrick Merlot, University of Oslo, (2007-2009)
81. Gustav Jansen, University of Oslo, (2006-2008)
82. Ole Petter Harbitz, University of Oslo, (2006-2008)
83. Sutharsan Amurgian, University of Oslo, (2005-2007)
84. Jon Thonstad, University of Oslo, (2005-2007)
85. Espen Flage-Larsen, University of Oslo, (2003-2005)
86. Joachim Berdahl Haga, University of Oslo, (2004-2006)
87. Jon Kerr Nilsen, University of Oslo, (2002-2004)
88. Simen Kvaal, University of Oslo, (2002-2004)
89. Simen Reine Sommerfelt, University of Oslo, (2002-2004)
90. Mateuz Marek Røstad, University of Oslo, (2002-2004)
91. Victoria Popsueva, University of Oslo, (2002-2004)
92. Eivind Brodal, University of Oslo, (2001-2003)
93. Eirik Ovrum, University of Oslo, (2001-2003)
94. Ronny Kjelsberg, Norwegian University of Science and Technology, (2001-2003)