
OSCAR HENRIKSSON

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Personal details

ORCID ID: 0000-0001-6957-7447

Born: May 9, 1988 in Mariehamn, Åland Islands, Finland.

Nationality: Finnish

Languages: Swedish (native language), English (fluent), French (intermediate), Finnish (elementary).

Website: <https://blogs.helsinki.fi/oscarh/>

Education and degrees completed

MAY 12, 2017 | PH.D. IN PHYSICS | UNIVERSITY OF COLORADO BOULDER, USA

MAY 10, 2013 | M.SC. IN PHYSICS | UNIVERSITY OF COLORADO BOULDER, USA

FEB. 1, 2011 | B.SC. IN PHYSICS | UPPSALA UNIVERSITY, SWEDEN

Current position

SEP. 2020 – PRESENT | ACADEMY OF FINLAND POSTDOCTORAL RESEARCHER | UNIVERSITY OF HELSINKI

Previous work experience

SEP. 2017 – AUG. 2020 | POSTDOCTORAL RESEARCHER | UNIVERSITY OF HELSINKI, FINLAND

Supervisor: Dr. Esko Keski-Vakkuri.

SEP. 2011 – JUNE 2017 | RESEARCH/TEACHING ASSISTANT | UNIVERSITY OF COLORADO BOULDER, USA

Advisor: Prof. Oliver DeWolfe.

Career breaks

Parental leave | 4.1.2021 – 7.2.2021, 28.6.2021 – 25.7.2021, 1.8.2022 – 14.8.2022, and 1.1.2023 – 22.1.2023 |
In total approx. 3 months.

Research funding and grants

In total approx. 350k€ received, all in the role of PI/main applicant.

Faculty of Science Support Funding (2022), 5 000€.

Academy of Finland Postdoctoral Fellowship (2020), approx.. 250 000€.

Ruth and Nils-Erik Stenbäck Foundation (2020), 30 000€.

The Waldemar von Frenckell Foundation (2020), 9 000€.

The Swedish Cultural Foundation in Finland (2020), 25 000€. (Declined due to other funding received.)

Ruth and Nils-Erik Stenbäck Foundation (2018), 25 000€.

2016-2017 Graduate School Dissertation Completion Fellowship, University of Colorado Boulder. Provides outstanding Ph.D. candidates with one semester of full financial support.

Jan Kwiecinski Fellowship (2016), sponsored by the Polish Institute of Nuclear Physics and the Polish Academy of Sciences. Funding for participation in the 56th Cracow School of Theoretical Physics.

Research supervision and leadership experience

Currently working with and mentoring several Ph.D. students (A. Hippeläinen, X. Li, A. Piispa), U. of Helsinki.

Supervisor of one B.Sc. thesis (O. Karhu, 2021) and co-supervisor of one M.Sc. thesis (A. Piispa, 2022) at the U. of Helsinki.

Hired and supervised a total of five B.Sc. and M.Sc. students as summer trainees (2020-2022), U. of Helsinki.

Teaching experience

Main lecturer (spring 2019 – present). Introduction to Relativity Theory, 5 cr undergraduate course, University of Helsinki, Finland (English and Swedish language versions, six times in total). Prepared course content, lecture notes, problem sets and exams; oversaw the grading with the help of a teaching assistant.

Teaching assistant (fall 2018). String theory, 5 cr graduate course, University of Helsinki, Finland. Lead exercise sessions and graded homework sets and the course exam.

Teaching assistant (fall 2011 – spring 2016), University of Colorado Boulder, USA. Taught recitations and labs for eight undergraduate courses. Graded homework sets and exams for these as well as about ten upper-level undergraduate and graduate courses, and on occasion acted as a substitute lecturer.

University Pedagogy 1 Learning in Higher Education (fall 2020) & University Pedagogy 2.1 Constructive Alignment in Course Design (fall 2021). Completed two 5 cr course in pedagogy at the University of Helsinki.

Certificate in College Teaching, Graduate Teacher Program, University of Colorado Boulder. Included 20 hours of workshops on teaching-related topics, videotape consultations, and faculty evaluation of teaching.

Other key scientific or academic merits

Scientific papers: 13 papers, 10 in peer-reviewed journals (see publication list).

Scientific talks: Approximately 20 talks at conferences, workshops, and scientific institutes (see personal website for details).

Journal referee: Annals of Physics, European Physical Journal C, General Relativity and Gravitation, Journal of High Energy Physics, Physical Review D.

Event organizer: Nordita workshop “Holography for Astrophysics and Cosmology”, Stockholm, Sweden (2022).

Studiekollegiet i fysik (Group coordinating the Swedish-language teaching in physics at the University of Helsinki): Secretary (Sept. 2020 – Dec. 2022).

Junior Faculty Club: Treasurer and board member (Sept. 2019 – Aug. 2021). The JFC was launched by the Faculty of Science in 2018 to create a multidisciplinary mentoring and networking system for young researchers at the postdoc level.

Committee member, Doctoral student thesis committee, U. of Helsinki, Finland.