



Massimo Boninsegni

PROFESSOR OF PHYSICS

Profile

- **Web site:** <http://massimo.physics.ualberta.ca>
- **Wikipedia:** http://en.wikipedia.com/wiki/Massimo_Boninsegni
- **Research keywords:** Theoretical condensed matter physics, Superfluidity, Bose condensation, Quantum Monte Carlo simulations

Fellow, American Physical Society, Division of Computational Physics, 2007

Education

Laurea in Fisica, Università degli Studi di Genova, Genova, Italy

OCTOBER 1981 — OCTOBER 1986

Ph.D. in Physics, Florida State University, Tallahassee, Florida, USA

AUGUST 1987 — OCTOBER 1992

Publications

(highlights)

- 156 refereed articles in peer-reviewed international journals since 1989
- 33 as single author
- 29 in Physical Review Letters, 1 in Reviews of Modern Physics, 1 in PNAS
- *h*-index: 44 (Scopus)

Invited Conference Presentations

(highlights)

- American Physical Society March Meeting (Los Angeles 1998, New Orleans 2008, Baltimore 2016)
- Pacifichem 2015 (Honolulu, 2015)
- Gordon Research Conference (Ventura 2012)
- Conference on Computational Physics (Trondheim 2010)
- Supersolidity (Trieste 2008, Paris 2010)
- American Chemical Society annual meeting (Salt Lake City 2009)
- LT25 (Amsterdam 2008)

Teaching

Taught a wide range of university-level physics courses, including introductory freshman physics for engineering and life science majors, as well as graduate-level quantum and statistical mechanics, condensed matter physics, computational physics

Mentoring

Supervised students

7 M.Sc. Physics students

- 3 at San Diego State University, 1997-2002



UNIVERSITY
OF ALBERTA

Contact

CCIS, University of Alberta, Edmonton
Alberta, T6G 2H5, Canada
m.boninsegni@ualberta.ca

NATIONALITY

Canadian and Italian

DATE / PLACE OF BIRTH

December 26, 1963
Genova, Italy

- 4 at University of Alberta, 2002-present

5 Ph. D. Physics students, University of Alberta, 2002-present

1 Ph. D. Chemistry student, University of Alberta, 2002-present

3 Postdoctoral associates, University of Alberta, 2002-present

Professional Service

(highlights)

- Editorial board member, Vertex Physics, 2025-
- Editorial Fellow, SciPost Physics, 2021-2024
- Editorial board member, Journal of Low Temperature Physics, 2010-2021
- Member at large, Executive Committee, American Physical Society, Division of Computational Physics (2009-12)
- Organizer, *CIFAR-PITP International Summer school on numerical methods for strongly correlated systems in condensed matter physics*, Sherbrooke (Canada), 6/2008, 6/2012
- Organizer, 1st international meeting on *Advances in Computational Many-body physics*, Banff, Alberta (Canada), January 2005
- Organizer, *Forty years of Supersolid Physics*, University of Alberta, December 2019

Academic Service

(highlights)

University of Alberta:

- University Appeal Board, chair of appeal hearings, two 3-yr term (2018-2021, 2022-)
- Member of search committee, Dean of Science (2018)
- Member of Dean of Science review committee (2016)

Employment History

Professor of Physics, University of Alberta

AUGUST 2005 — PRESENT

Associate Professor of Physics, University of Alberta

AUGUST 2002 — JULY 2005

Associate Professor of Physics, San Diego State University

AUGUST 2001 — JULY 2002

Assistant Professor of Physics, San Diego State University

AUGUST 1997 — JULY 2001

Postdoctoral Fellow, University of Delaware

OCTOBER 1995 — JULY 1997

Postdoctoral Research Associate, NCSA, University of Illinois at Urbana-Champaign

OCTOBER 1992 — SEPTEMBER 1995

Last updated on March 12, 2026