



# Massimo Boninsegni

PROFESSOR OF PHYSICS

## Profile

- **Web site:** <http://massimo.physics.ualberta.ca>
- **Wikipedia:** [http://en.wikipedia.com/wiki/Massimo\\_Boninsegni](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)

- 152 refereed articles in peer-reviewed international journals since 1989
- 31 as single author
- 28 in Physical Review Letters, 1 in Reviews of Modern Physics, 1 in PNAS
- *h*-index: 46 (Google Scholar), 42 (WebOfScience), 42 (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

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Alberta, T6G 2H5, Canada  
[m.boninsegni@ualberta.ca](mailto: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 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 24, 2025*