

# Curriculum Vitae et Studiorum

ROBERTO CAVORETTO

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## Current Position

- 11/19-present: Associate Professor in Numerical Analysis, University of Turin.

## Position Held

- 11/16-11/19: Fixed-Term Research Fellow in Numerical Analysis (RTDb), University of Turin.
- 11/12-11/16: Fixed-Term Research Fellow in Numerical Analysis (RTDa), University of Turin.
- 11/10-10/11: Research fellow, National Institute of High Mathematics (INdAM), Rome, Italy.

## Education

- 01/10: Ph. D. in Science and High Technology (Mathematics), University of Turin.
- 07/06: M. Sc. in Mathematics, University of Turin.

## Research Interests

- In numerical analysis: meshless/kernel methods, radial basis function (RBF) approximation, partition of unity methods, spherical interpolation, image registration, numerical solution of PDEs via RBFs, adaptive refinement schemes, numerical linear algebra, software for scientific computing.
- In mathematical modelling: biomathematics, ecological and population models, biological and socio-economic applications.

## Professional Activities

- 2008-present: Author of research papers in numerical analysis and applied mathematics.
- 2008-present: Speaker in international conferences and seminars.

## Invited Visits

- 2009-present: Visiting researcher/professor in academic institutions and research centers.

## Editor

- 2016-present: Editor in international journals of numerical analysis and applied mathematics.

## Memberships

- 11/16-present: Research ITalian network on Approximation (RITA).
- 01/15-present: Italian Mathematical Society (UMI).
- 01-12/15: International Association for Mathematics and Computers in Simulation (IMACS).
- 01/12-present: Italian Society of Applied and Industrial Mathematics (SIMAI).
- 01/07-present: National Group for Scientific Computing (GNCS-INdAM).

## Conference, Workshop and Session Organization

- 07/15-present: (Co-)organizer of special sessions in international conferences and workshops.
- 08/14-present: (Co-)organizer of international conferences and workshops.

## Fundings in Research Projects

- 2012-present: Principal Investigator in projects funded by EU, MIUR, GNCS-INdAM and University of Turin.
- 2006-present: Participant in projects funded by EU Framework Programmes, GNCS-INdAM and University of Turin.

## Academic Responsibility

- 01/13-present: (Co-)supervisor of B. Sc. and M. Sc. degree theses; examiner of M. Sc. degree theses.
- 11/12-present: (Co-)instructor of courses in B. Sc. in Mathematics, B. Sc. in Mathematics for Finance and Insurance, B.Sc. in Science and Technology of Materials, M. Sc. in Mathematics, Ph. D. in Mathematics, Ph. D. in Pure and Applied Mathematics.
- 02/10-present: Member of examination boards in courses of numerical analysis.

## Reviewer

- Regular reviewer for Mathematical Reviews and referee for international journals and proceedings.

## Software

- (Co-)developer of software in C/C++ language, Matlab and OpenCL.

## Publications

- ORCID: <http://orcid.org/0000-0001-6076-4115>
- Scopus: <https://www.scopus.com/authid/detail.uri?authorId=57200327287>