

PERSONAL INFORMATION **Stefano Baroni**

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🌐 <https://stefano.baroni.me>

📅 Date of birth August 30, 1955 | 🇮🇹 Nationality Italian

WORK EXPERIENCE

- 1999 – Present **Full professor of theoretical condensed-matter physics**  
SISSA – Scuola Internazionale Superiore di Studi Avanzati, Trieste, Italy
- 1988 – 1999 **Associate professor of theoretical condensed-matter physics**  
SISSA, Trieste, Italy
- 1984-1988 **Assistant professor of physics (*Ricercatore*)**  
Dipartimento di Fisica Teorica  
Università di Trieste, Italy
- 1979-1984 **Postdoctoral Fellow (*Assistant*)**  
Institut de Physique Théorique, École Polytechnique Fédérale de Lausanne, Switzerland

MANAGEMENT EXPERIENCE

- 1994-1998 **Director**  
CECAM – Centre Européen de Calcul Atomique et Moléculaire  
École Normale Supérieure de Lyon, France
- 2001-2005 **Founding director**  
INFM DEMOCRITOS National Simulation Center  
In 2005 INFM was incorporated in the Italian *Consiglio Nazionale delle Ricerche* and DEMOCRITOS has become the theory unity of *Istituto dell'Officina dei Materiali*

VISITING PROFESSORSHIPS

- 2013 **Laboratoire des Solides Irradiés, École Polytechnique, Palaiseau, France (3 months)**
- 2012-13 **Department of Materials Science, EPFL (6 months)**
- 2011 **CECAM, EPFL (2 months)**
- 2007 **University College London, UK (4 months), awardee of the *Leverhulme Trust***
- 2007 **School of Physics, University of Sidney, Australia (1 month)**
- 2005 **Department of Chemical Engineering and Materials Science, University of Minnesota (1 month)**

- 2004 Laboratoire de Physique des Milieux Condensés, Université Pierre et Marie Curie, Paris, France (1 month)
- 2002 Chemistry Department, Princeton University (2 months)
- 1994 Institute for Theoretical Physics, University of California at Santa Barbara (3 months)
- 1992 Forum Teorico of the INFM, Scuola Normale Superiore, Pisa, Italy (2 months)
- 1990-93 Institut Romand de Recherche Numérique sur les Matériaux, EPFL (10 months in total)

## COMMISSIONS OF TRUST

- 2016-17 Member of the International Advisory board of the **NFFA** EU distributed facility
- 2015-16 Member of the Physics Panel of the ANVUR-VQR valuation committee of the Italian universities
- 2015 Member of the Portuguese FCT Science and Engineering panel
- 2014-2020 Member of the PE3 ERC *starting grant* panel
- 2012- Member of the Scientific Council of the CINECA supercomputing center
- 2009-12 Member of the CECAM Scientific Advisory Committee
- 2005-14 Member of the **Eurotech** Scientific Advisory Board
- 2004-07 Member of the SISSA Board of Directors
- 2001-06 Member of the SISSA valuation committee

## COMMUNITY SERVICE

- 2002- Main inspirer and initiator of the **QUANTUM ESPRESSO** project for quantum mechanical materials and molecular modeling
- 2011- Founding director of the **QUANTUM ESPRESSO** Foundation

## EDUCATION AND TRAINING

- 1973–1978 Laurea in Fisica  
Università degli Studi di Pisa, Italy, *Summa cum laude*

## HONORS

- 2005 Corresponding member, *Accademia Peloritana dei Pericolanti* (Messina)
- 2007 Fellow of the American Physical Society

## SCIENTIFIC PRODUCTION

Stefano Baroni has authored 220+ peer reviewed scientific papers, which have been cited 43,000+ times in 32,000+ documents, and have granted him an H index of 61 (Scopus, January 2023). He has given over 80 invited talks and lectures at international venues over the past 10 years. A complete list of SB's publications can be found in his [ORCID page](#). A list of his recent invited lectures and talks can be found in his [personal web page](#).

## MENTORSHIP

Stefano Baroni has supervised  $\approx 40$  PhD and  $\approx 10$  Master theses at SISSA, the École Normale Supérieure in Lyon, and the Universities of Trieste, Modena, and Cagliari. Many of his former students have become internationally recognized scientific leaders. A complete list of former students with links to their theses and info on their present positions, where available, can be found in his [personal web page](#).

## LANGUAGE PROFICIENCY

Mother tongue Italian

Other languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
French	C2	C2	C2	C2	C1

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user  
[Common European Framework of Reference for Languages](#)