

# Curriculum Vitae

## 1. Personal Details and Current Position (as of June 2023)

Name: MINIATURA Christian  
Born: 18 Dec 1961  
Title: Research Director rank 1 at CNRS  
Affiliation: IRL 3654 MajuLab, <http://majulab.cnrs.fr/>  
Mailing Address: MajuLab, c/o Centre for Quantum Technologies, National University of Singapore, Block S15, 3 Science Drive 2, 117543 Singapore, Singapore  
Email: christian.miniatura@cnrs.fr  
Researcher ID: E-2882-2016  
Research interests: From 2004 onwards, my theoretical research interests have mainly focused on quantum transport and strongly-correlated systems. Keywords: Anderson localization, weak localization effects, quantum many-body physics, quantum phase transitions, machine learning (neural network quantum states), artificial gauge fields.  
Professional awards: CNRS Young Researcher award (aka Bronze Medal) for the work on atomic interferometry (1994)

## 2. Bibliometric Data

*Web of Science as of 02/06/2023 based on 112 publications.*

H-Index: 29  
Time cited without self-citations: 2210  
Citing articles without self-citations: 1499  
On-average annual citations without self-citations: 63.14  
On-average citations per item without self-citations: 19.73

36 invitations to conferences, workshops, schools.

57 seminars

111 conference posters

Co-editor of 2 books

## 3. Academic Qualifications

1981-1986 ENS Cachan (now ENS Paris-Saclay), France.  
Master of Physics at University Paris XI (now university Paris-Saclay, 1983)  
French Agrégation de Physique (National hiring competition of the French Ministry of Education, 1985)  
Diplôme d'Etudes Approfondies (aka Master 2, 1986)

1987-1990 PhD in Physics at Laser Physics Lab, University Paris 13, (supervisor Prof J. Baudon).  
Title: Production and analysis of a beam of metastable Hydrogen atoms. Study of the collision  $H(D)^* - H_2(D_2)(X^1\Sigma^+_g, v=0)$  at thermal energies (in French)

2001 French Habilitation, University of Nice, France.  
Title: Interference: from waves to disorder (in French)

#### 4. Management

2014-2022	Director of IRL 3654 MajuLab, CNRS-UNS-NUS-NTU International Joint Research Unit, Singapore, <a href="http://majulab.cnrs.fr/">http://majulab.cnrs.fr/</a>
2010-2013	Director of International Joint Lab (LIA) “France Singapore Quantum Physics and Information Lab”
2008-2013	Founding Member and direction of CNRS FermiCold Theory Group in Singapore in partnership with the Centre for Quantum Technologies (NUS)
1997-2006	Founding Member and Co-direction of Cold Atom Group at INLN

#### 5. CNRS Career

2017-	Research Director (rank 1)
2005-2017	Research Director (rank 2)
1993-2005	Research Associate (rank 1)
1989-1993	Research Associate (rank 2)

#### 6. Affiliations

2023 -	UMR 7010 Institute of Physics (INPHYNI, Université Côte d’Azur) starting on 1 <sup>st</sup> Sep 2023
2014-2023	IRL 3654 MajuLab, CNRS-UNS-NUS-NTU International Joint Research Unit, Singapore
1997-2013	UMR 7535 Nonlinear Institute of Nice (INLN, University of Nice)
1989-1997	UMR 7538 Laser Physics Lab (LPL, University Paris 13)

#### 7. Visiting Positions

2019-2020	Visiting Professor at Science Division, Yale-NUS, Singapore
2016-2023	Visiting Professor at PAP, SPMS, NTU, Singapore
2008-2023	Research Professor at Centre for Quantum Technologies and Physics Department, Faculty of Science, NUS, Singapore
2005-2007	Research Professor at Physics Department, Faculty of Science, NUS, Singapore

#### 8. Memberships

Member of SFP-EPS, France (1999-), <https://www.sfpnet.fr/>  
Life Member of IPS, Singapore (2009-), <https://ipssingapore.org/>  
Fellow of the Institute of Advanced Studies (IAS), NTU, Singapore (2009-2020), <https://www.ntu.edu.sg/ias>