

Curriculum vitae Marco Affronte

DEGREES:

1987 Laurea degree cum Laude in Physics at University of Florence (I).
1991 Ph.D. obtained at Ecole Polytechnique Fédérale de Lausanne (CH).
1993 Qualification as Maitre de Conférence, Condensed Matter Physics (F)

CAREER AND AWARDS:

since 2013, Current position: Full Professor of Physics (FIS01) at UNIMORE
since 2014, Director of PhD. Course in Physics and Nanosciences (UNIMORE)
1991-93 Post doc. individual fellowship at CNRS, LEPES, Grenoble (F) awarded by individual Marie Curie fellowship
1993-2002 Researcher at University of Modena (I);
2002-13 Associate Professor at University of Modena e Reggio Emilia (UNIMORE) (I);
2002-2015 CNR-INFN-S3 team leader
2015 Feb. Professeur invité at Univ. Paris Sud Orsay (F)
2021 Invited Professor at Scuola Normale di Pisa (Lecturing)

PUBLICATION RECORD: more than 220 research papers, including: 1 Nature Nanotech.; 3 Scientific Reports; 1 NPJ Quantum Materials, 10 PRL; 41 Phys Rev B; 2 Phys.Rev Materials; 1 NanoLetter; 4 ACS nano; 4 Angew Chem ; 2 JACS; 5 APL; 4 ACS Nano; 4 Adv. Funct Mat. ; 2 Quantum Adv. Tech.; 10 review articles and chapters of books published under commission. 1 patent. >7800 citations. h-index=45 (WoS)
ORCID ID: 0000-0001-5711-7822
Scopus ID: 56229024700

ORAL CONTRIBUTIONS: >50 invited /keynote (2) plenary talks at Int. Conferences in the last 10 years.

LANGUAGES: Italian, French, English.

FUNDING ID: more than 4.0M€. Active participation and management (team leader /coordinator) at >20 national and International projects.

MAJOR RESEARCH INTERESTS:

Quantum and critical phenomena in low dimensional systems. Quantum Technologies. Nano-, Molecular- Magnetism. Surface Sciences (deposition and spectroscopies). Development of novel devices including magnetic sensors, graphene-based spintronic & photo-resistive devices. Semiconductors Nanowires and Quantum Dots. Superconductivity. Microwave resonators and circuits QuantumElectroDynamics.

International recognition.

Reviewer for the EU FP7 ICT-FET, NMP, ERC, COST, EIC Commissions. Reviewer for International Agencies including: Finland Academy of Science (FL), ANR (F) FOM (NL); EPSRC (UK); US; Poland; Latvia; Chile Member of organizing committees of 7 International Conferences