Curriculum Vitae   Marini Andrea

Address
Istituto di Struttura della Materia (ISM)
National Research Council/Consiglio Nazionale delle Ricerche (CNR)
Via Salaria Km 29.3, CP 10, 00016
Monterotondo Stazione, Italy

Telephone - Fax   +390690672890 - +390690672316
E-mail   andrea.marini@cnr.it

Personal Information   Male, Italian, born 09.09.1972

Scholarly contributions

104 papers, H-index 43 (Publons), 7020 citations.

Originator of the widely-use ab initio computational materials research open-source project Yambo. Yambo is a multi-purpose code used worldwide by hundreds of researchers. Continuously developed by a Team of developers spread around the world it is currently supported by an H2020 Initiative (MaX, *materials at the exascale*). It is installed on the machines of many High Performance Computing Centers in the world.
64 talks and seminars, 2 colloquiums
Responsible of the ISM-CNR Laboratory for Ultrafast Science (**FLASHit**)

Scientific Career

First Researcher, CNR, Istituto per la Struttura della Materia (2020-)

Researcher, CNR, Istituto per la Struttura della Materia (2011-2020)

Researcher team leader of the European Theoretical Spectroscopy Facility (2007-)
Researcher, Physics Department, University of Rome *Tor Vergata* (2010-2011)
Researcher, CNISM (Consorzio Interuniversitario per la Scienza della Materia), Physics Department, University of Rome *Tor Vergata* (2006-2009)
Researcher, CNR, University of Rome *Tor Vergata* (2004-2006)

Group members

Carmen Gargiulo (Administrative Collaborator)

Kai Wu (PostDoc)
Aadhityan Arivazhagan (PostDoc)

Scientific Projects

Materials design at the eXascale (MaX) grant Agreement No. 676598, 2015-

Nanoscience Foundries & Fine Analysis (NFFA), grant agreement n. 654360, 2015-
Unraveling ultra-fast photo-induced phenomena at the nanoscale: a joint theoretical and experimental approach, Fondo per gli Investimenti della Ricerca di Base(FIRB), 2013-2016
Electronic dynamics in ultra-intense laser fields (ELISE), Fellowship with the Ikerbasque Science foundation, Spain. 2010-2011

Yambo Training

The Yambo code has been used in tens of schools all around the world. We had Yambo-dedicated schools (ICTP Trieste 2010, 2020 - CECAM Lausanne 2012, 2015, 2017 - Rome 2014 - Tokyo 2014 – Cineca 2018) in addition to schools joint with other codes (ICTP Trieste 2013, 2017 - Oxford 2013 - Brasil 2011) and the African School series on Electronic Structure Methods and Applications (ASESMA) series (South Africa 2015 – Ghana 2016 – Ethiopia 2018 – Cameroon 2019 -- Congo 2022 - Rwanda 2023).

Co-organized Conferences and Workshops

Ultrafast Physics from Molecules to Nanostructures, CECAM-PsiK, San Sebastian, 2019.

Progresses in Nonequilibrium Green's Functions VII, INFN-Frascati, 2018

ETSF workshop, Paris, 2015 – Rome, 2017

Ultra-fast phenomena in quantum physics: a challenge for theory & experiment, CECAM-Lausanne, 2016

Electron-vibration coupling : theoretical and numerical challenges, CECAM-Lausanne, 2015

GW quasiparticle calculations in condensed matter physics and nanoscience, CECAM-Lausanne, 2012