

Curriculum Vitae et Studiorum (short version)
Pier Francesco Moretti (11-DEC-1967) – pierfrancesco.moretti@cnr.it

Education

1991: **Degree in Physics** The Stark effect as a calibration tool in helioseismology Score: *110/110 cum Laude*.
2000: **PhD in Astronomy** Design and manufacturing of portable image acquisition systems for solar velocity and magnetic maps through narrow passband filters.
2007: **PhD in Earth Sciences** Analysis of surface hardening of steels on ordinary chondrites through atomic force microscopy: implications for reddening of visible and near infrared spectrum.

Actual position

2011-today: **Scientific and Policy Officer** at National Research Council of Italy – Brussels Office.

Competences

Science: design and installation of instrumentation; development of experiment, data analysis and modelling, coordination of research activities and teams.

Support to policy: stress management, negotiation, emergencies, procedures, planning, multi-cultural teaming, support to decision making, EU affairs.

Teaching. Project management. Foresight. Fund raising. Science in diplomacy.

Main appointments

- 2014: Vice-Chair of the Research Working Party of the Competitiveness Council of the European Union during the Italian Presidency 2014.
- 2014-today: Italian expert for the Programme Committee SC2 at the 7-year EU Research Programme Horizon 2020 for the Blue Growth aspects, nominated by the Minister of Education, Universities and Research.
- 2014-today: Expert member of the “ad-hoc strategic group” for the Bluemed initiative, with representatives from 9 EU Member States and the European Commission.
- 2011-today: staff member of the Secretariat of the EU Joint Programming Initiative “Healthy and Productive Seas and Oceans” (JPI Oceans), with the participation of 22 EU countries and the EU Commission, for coordinating national research programmes in marine and maritime issues.
- 2011-2012: Italian acting representative at the Management Board of Joint Programming Initiative “JPI Oceans”. Appointed by the Italian Ministry of University and Research (MIUR).
- 2015-today: Coordinator of JPI Oceans secretariat for the action “Munitions in the Sea”.
- 2016-2017: Member of the Expert Group meetings in support of **G7** ‘The Future of the Oceans and Seas’ (Southampton, UK, 29 Nov-1 Dec 2016, and Action 1- G7 Italian Presidency, 14-15 June 2017).
- 2010-2011: CNR acting representative and support to the Marine Board of the European Science Foundation.

Main projects

- 2016-today: **Coordinator** of the CNR S&T **Foresight** Group on Materials, see <http://foresight.cnr.it/working-groups/wg-materials>
- 2012-2015: **Scientific Coordinator** for the CNR participation to the FP7 project CSA Oceans for the coordination of the national research programmes in marine-maritime issues supporting the Joint Programming Initiative “Healthy and Productive Seas and Oceans”

- 2017-today: **Responsible** for the CNR participation to the Horizon2020 project **CSA Bluemed** (support to coordination of Mediterranean national programmes) for **science diplomacy** activities and strategy
- 2018-today: **Responsible** for the CNR participation to the Horizon2020 project **ARICE** (EU coordination of icebreakers) for the **performance indicators** of the infrastructure
- 2009-today: **Co-Coordinator or Project manager or participant** at EU projects (SEASERA, JERICO, COPAL, MIRA, EGIDA, Era-ENVHEALTH, COFASP, CSA Oceans 2, e-RIHS, ARICE)
- 2009-2010: **Coordinator** of the National Platform for the feasibility study for a Coastal Unmanned Underwater Vehicle (in cooperation with CNR, RINA, NURC, Italian Navy, Italian Universities)
- 2006-2009: **Principal Investigator/ Coordinator** of the Italian project ETNA (for details, see www.ism.cnr.it/Etna/etna.html) for the development of instrumentation dedicated to the analysis of extra-terrestrial nanomaterials, in collaboration with the Institute of Structure of Matter CNR-ISM, the Department of Earth Sciences of the University of Rome “Sapienza”, the Department of Physics of the University of Rome Tre, and the Italian Institute for Interplanetary Space IFSI-INAF.
- 2008: **Co-Investigator** for the Small Space Mission ADAHELI of the Italian Space Agency (P.I. Francesco Berrilli, University of Rome “Tor Vergata”). Design and launch of a small solar telescope.
- 2003-2004 : **Coordinator** of the “Concordiatro/Italy Castel” project for building and installing a solar telescope at the Italian base Concordia at Dome C in Antarctica.

Productivity, scientific collaborations, other

Scientific publications: > 80, whose approx. 40 on international refereed journals, >20 as first author and >10 as single author. One article of research policy on *Nature*. H-index~ 9.

International patent: Optical method to control the hardening of metals or materials containing metals through the analysis of the VIS/NIR spectrum.

Workshops and conferences: participant at > 200, organizer of >10.

Oral presentation on scientific issues, in english : > 20.

Oral presentation on support to policy, in english: > 25.

Chair: > 10, some also at EU institutions.

International collaborations and stay abroad: Kanzelhoehe Solar Observatory (Austria), University of Graz (Austria), National Optical Astronomical Observatories (USA), Themis telescope (Spain), Astronomical Observatories Teramo, Naples, Trieste, Rome (Italy), Istituto di Struttura della Materia CNR (Italy). Visitor scientist at the Maui Research Technology Center and University of Hawaii (Maui, HW, USA).

Referee for the international journals Mem. Soc. It., Advances Space Res.

Expert evaluator for EU projects in Horizon 2020.

Educational activity

Permanent position as Professor in Physics (Italian Nautical/Technical Institutes, from 2001 to 2007).

Tutor of PhD students at Università Sapienza of Rome.

Lecturer (Space Weather, EU funds, Trans-national governance).

Curriculum Vitae et Studiorum (at a glance)
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