

Curriculum vitae

(October 2021)

Personal Information

FIRST NAME/
SURNAME Luciano Catani
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NATIONALITY Italian
DATE OF BIRTH 08/06/1963

Work Experience

POSITION 2021- , Scientific Attaché
EMPLOYER Italian Embassy in Belgrade, Serbia

POSITION 2020-2021, Seconded National Expert
EMPLOYER European Commission, Brussels
ACTIVITIES EU Research and Innovation policy and programmes

POSITION 2020- , Visiting Professor
EMPLOYER GSSI Gran Sasso Science Institute - L'Aquila
ACTIVITIES School of Advanced Studies

POSITION 2019-2020, Science and Technology advisor
EMPLOYER Elettra-ST - Trieste
ACTIVITIES Research Infrastructures, ICT

POSITION 2012-2020, Senior Expert
EMPLOYER Italian Ministry of Education, University and Research
ACTIVITIES National and international research policies development and coordination

POSITION 2002-2012, Contract Professor; 1994-2001, Adjunct Professor
EMPLOYER University of Roma "Tor Vergata"

POSITION 1991- , Researcher/Senior Researcher
EMPLOYER National Institute for Nuclear Physics
ACTIVITIES Science and technology of particle accelerators, Particle Physics, Computing

Research Policies and Research Coordination (2012-)

Italian Ministry of University and Research (MUR):

APPOINTMENTS - MUR Senior Expert in the shadow Strategic Programme Committee "ERA and Widening Policy" of Horizon Europe;
by date of appointment,
in reverse order - Italian representative at: "ERAC ad-hoc Working Group on Partnership Instruments" of the European Council (2018-2020); Steering Group of OECD project "Public research funding on mission-oriented policies"; Steering Group of European Commission and OECD initiative "HEInnovate"; Advisory Board of European Commission project "EOSC-hub"; High Level Group for Joint Programming of the European Research Area Committee of the European Council; Research and Innovation Observatory of European Commission and reviewer of the annual JRC RIO Country Report - Italy; ERAC Standing Working Group on Open Science and Innovation of European Council; State Representatives Group of the Joint Undertaking "CleanSky"; State Representatives Group of the Technological Platform ACARE and ACARE Italia;

- Member of MUR Working Group on: G7 Ministries of Science, Turin 2017 and co-coordinator of topic "Training of Human Resources for R&I"; Research Infrastructures and National Programme for Research Infrastructures - PNIR 2015-20; the Italy's Roadmap towards the European Research Area.

- MAIN ACTIVITIES AND RESPONSIBILITIES
- European Commission (EC):
- Country Desk Officer (CDO) for DG Research and Innovation (DG RI) of the European Commission, responsible for: European Semester; Recovery and Resilience Facility; R&I in Cohesion Policy. Representative of DG RI in the EC Country Teams of Portugal and Spain and deputy for Italy;
- Italian Ministry of University and Research (MUR):
- Co-author (technical-scientific expert) of the National Programme for research 2021-27 (PNR 2021-2027);
 - MIUR informal Working Group toward the next Framework Programme FP9 (member), including the ConsultazioneFP9 initiative (coordinator);
 - MIUR Task Force of the Italian Presidency of the Council of the European Union 2014 and coordination of the 'Italian Presidency of EU Council 2014' conferences: "International, Intersectoral, and Interdisciplinary: the triple "i" approach to doctoral training" - Padova, November 2014; "Empowerment of the Next Generation of Researchers - Promoting talents, spreading excellence" - Trento, November 2014;
 - MIUR Working Group for the strategic document "Horizon 2020 Italia - HIT 2020 ricerca & innovazione" (member);
 - Co-author of MUR policy documents: Italy's Roadmap towards the European Research Area; Research Infrastructures and National Programme for Research Infrastructures – PNIR; Italian contribution to the quest for EU R&I Missions topics;
 - Coordinator of MUR participation to EC Coordination and Support Actions ERA-LEARN (GA. 645782 and GA.811171) and ENGRES2014 (GA. 635893).

Scientific Research (1990-2012)

- Italian National Institute for Nuclear Physics (INFN) and University Roma-Tor Vergata:
- MAIN RESEARCH ACTIVITIES
- ICHAOS project, (coordinator); SPARC project: local coordinator and responsible of the design and construction of the movable emittance measurement tool (2000-2010); SPARX project: local coordinator and member of technical committee of University Roma-Tor Vergata (2006-2010); FLASH accelerator (DESY, Hamburg); responsible of acquisition system and measurement tools for the accelerator optical diagnostic. (1998-2002); TTF project (DESY, Hamburg); responsible of acquisition system and measurement tools for the accelerator optical diagnostic. (1994-1998); LISA project; responsible for design and operation of the accelerator control system (1989-95);
 - Local coordinator of INFN international (OTR, TTF, TESLA, CARE, EuCARD, FLASH, IRUVX-FEL, SuperB) and national projects (ARES, SURF, LISA, SFERA, ARCO, NTA, OTRAND, ODRI);
 - Reviewer: research projects for the MUR programmes PRIN 2012, 2014 and 2015 and for Programma per il Reclutamento di Giovani Ricercatori "Rita Levi Montalcini"; Research Quality Assessment VQR 2011-2014 of Italian research system; scientific journals and funding agencies;
 - Supervisor of students and PhD candidates, currently staff at major national and international research centres/institutions (DESY Hamburg, ESRF Grenoble, CNR Rome, INFN Frascati);
 - Invited lecturer at national and international institutes, workshops, schools and conferences;
 - Author of >200 publications (1990-2012) on scientific journals (Citations: >5000, i10-index: 43, h-index: 21 - source Google scholar).
- MAIN COORDINATION ROLES
- Convener for the Local Evaluation Group GLV of INFN in Technology, Interdisciplinary and Particle Accelerators research (2003-12);
 - Member of National Scientific Committee of INFN (CSN5) for the coordination of research on Technology, Interdisciplinary and Particle Accelerators (2001-07);
 - INFN Representative in: European Science Foundation - ESF Forum on "European Alliance on Research Career Development" and co-author of the Forum publications, Science Europe Working Group on "Research Careers";
 - Member of the International Programme Committee of PCaPAC - PC and Particle Accelerators Conference and organiser and Chairperson of PCaPAC 2002 Conference (Frascati, Oct. 2002);
 - Member of the International Programme Committee of CoToGAN - COMMUNICATION TOOl for a Global Accelerator Network;
 - Member of Scientific Council of NAST: Centre for Nanoscience & Nanotechnology & Innovative Instrumentation of University of Roma "Tor Vergata" (2008-12);

Education and skills

- EDUCATION
- (1984 - 1990) Master's degree in physics at Università degli Studi di Roma "La Sapienza" - (final degree 110/110): Physics, Computing, Electronics, Cybernetics;
 - (1992 - 1997) Summer student at Univ. Austin (TX), Univ. Washington Seattle (WA), MIT Boston (MA): Physics of Linear Accelerators, Beam Experiments, Accelerator Instrumentation and Beam Measurement, Electromagnetic Radiation.

- PERSONAL SKILLS
- Mother tongue: Italian
 - Other languages (understanding, speaking, writing):
English (C1, C1, C1);
French (B2, B2, B2).
 - Computer skills: MacOS, Unix and Windows OS; pro-level in MS Office™ tools, Adobe Suite, C, Fortran and other programming languages, LabVIEW;
 - Coordinator of IT services of a non-profit Organisation (1992-1998).