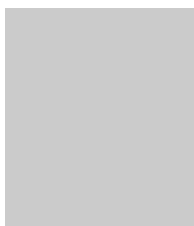


PERSONAL INFORMATION

Vincenzo Patera



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Sex Male | Date of birth 10/06/1962 | Nationality Italy

WORK EXPERIENCE

2002-2014 Permanent Associate Professor at Engineering faculty of University "La Sapienza" of Roma
1999-2002 Associate Professor at Engineering faculty of University "La Sapienza" of Rome
1992-1999 Researcher of Engineering faculty of University of Rome "La Sapienza" at Department of Energetics.
1992 Visiting Researcher at California Institute of Technology.
1990-1992 Researcher Istituto Nazionale di Fisica Nucleare at Laboratori Nazionali di Frascati
1988-1990 Research grant of Istituto Nazionale di Fisica Nucleare (INFN) at Laboratori Nazionali di Frascati

Business or sector Research/University

EDUCATION AND TRAINING

1982-1987 Degree in Physics (Elementary Particle Physics): 110/110 cum laude at Università di Roma "La Sapienza"

Replace with EQF
(or other) level if
relevant

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C1	C2	C1	C1	C1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills Good communication skills gained through my experience as university professor and conference speaker

Organisational / managerial skills Good managerial/leadership skills: I have been the leader of international research groups

Computer skills Deep knowledge of the Linux and MacOSX OS. Good knowledge of WINDOWS OS.
Good knowledge of C, C++, Fortran programming languages
Good knowledge of Microsoft Office™, ROOT, FLUKA package

Driving licence ▪ B

ADDITIONAL INFORMATION

Projects

- 2006-2009 Local coordinator at Energetic department of the PRIN project (Research Project of National Relevance) focused on "Read-out optimization and DAQ electronics development of a scintillating fiber tracking calorimeter"
- 2009-today Local coordinator fo the INFN project TPS (Treatment Planning System for hadrontherapy) at LNF
- 2010-today Co-Spokeperson of the FIRST (Fragmentation of Ions Relevantants for Space and Therapy) experiment at GSI laboratory (Darmstadt)
- 2010-today Coordinator of the project of the Centro FERMI Research Institute : "Innovative non invasive imaging of dose release in hadrontherapy"
- 2012-today Local coordinator at S.B.A.I department of Sapienza University of the PRIN project (Research Project of National Relevance) INSIDE: "Innovative Solution of Imaging and Dosimetry in Hadrontherapy"
- 2012-today Coordinator of the Flagship Project (Progetto Premiale) of the M.I.U.R. (Italian Ministry of Education, University and Research) for the Centro Fermi Research Institute: "Multiple source, real-time Imaging for Hadrontherapy "
- 2012-today Principal Investigator of the Italian Institute of Technology (IIT) in the project "Novel strategies for the treatment and the imaging of brain tumors through targeting cancer stem cell-specific signaling pathways"

Memberships

- 2002-2005 Member of the Executive Committee of the Energetic Department of Rome University "La Sapienza".
- 2003-2009 Member of the Panel for the TARI (Transnational Access to Research Infrastructure) funds assignment of Laboratori Nazionali del Gran Sasso of INFN
- 2004-2007 Member of evaluation boards for permanent positions of researcher in experimental physics (FIS01) at Perugia University and Lecce.
- 2004-2008 Member of the evaluation board for the final PhD examination at Rome University' "Sapienza", Milano University, Napoli University and Torino University .
- 2001-2007 Member of the scientific committee coordinating the activity of the Laboratori Nazionali del Gran Sasso dell'IN
- 2006- 2009 Member of the Panel for the TARI funds assignment of the European Network of Laboratories for the underground physics:Boulby(EN)-Canfranc(ES)-Modane(FR)-LNGS(IT)
- 2010-2014 Member of the FLUKA Scientific Committee

Publications

Author or co-author of more than 100 scientific papers on refereed international journals and more than 300 talk or communications to international workshops and conferenes

Referee/reviewer

2005-2006 Technical reviewer of CIVR (Comitato di Indirizzo per la Valutazione della Ricerca) of Ministero dell'Istruzione, dell'Universita e della Ricerca (MIUR)
 2007- today Referee of Padova University for the assignment of research grants in physics.
 2008- today Referee for the approval of the PRIN-FIRB research project of MIUR
 2008-today Policy Board Member of the KLOE-2 experiment at LNF
 2011-today M.I.U.R. (Italian Ministry of Education, University and Research) referee for the research evaluation: VQR-2004-2010
 2012-today Reviewer of International Scientific Journals (Nuclear Instruments and Methods, Journal of Radiation Research)

Conferences & Seminars

- First presentation of the joint results of MACRO and EAS-TOP experiment, Int. Conf. on High Energy Physics of European Physics Society, Madrid (1989)
- Talk on the joint data dating in the period 1988-1991 of the MACRO and EAS-TOP experiments: Int. Conf. on Theoretical Aspects in Underground Physics (TAUP), Toledo (1992)
- June 1992: Seminar: "The KLOE experiment at DaΦne" al High Energy Physics Department del California Institute of Technology.
- Talk on "New phenomenologic description of the e.m. component of E.A.S." : Int. Conf. on Frontier Object in Astrophysics and Particle Physics ,Vulcano (1994).
- Talk on "Accuracy of the KLOE experiment in the Re(e'/e) measurement" Workshop on Physics and Detectors for DAFNE, Frascati (1991)
- Invited talk on "Status of the KLOE experiment", Int. Workshop on K-Physics ad Orsay (1996).
- Invited talk on "Status of the KLOE experiment", XXXVII Recontres de Moriond , Les Arc (Marzo 2002).
- Invited review talk on "Rare K decays and CP,CPT violation" all' International Conference of High Energy Physics (ICHEP) 2004, Pechino
- March 2006: Seminar at CERN "Recent Results of KLOE at Dafne"
- November 2008 Invited talk on "Future experiments at DAFNE", International Conference on Particles And Nuclei (PAN/C08) , Eilat, Israel
- December 2009 : Seminar "The FIRST experiment on fragmentation of high-energy heavy ions of biomedical interest at GSI" al GSI
- February 2012 Talk on "Fragmentation measurements of 12C ion on C and Au target with the FIRST experiment at GSI ", ICTR-PHE conference, 2012, Geneva
- June 2012 : Seminar at Centro Nazionale di Adroterapia Oncologica (CNAO) in Pavia : Measurement of flux of prompt photons, charged particles and gamma PET from 12C therapeutic beam on PMMA target
- June 2013 invited talk on "Nuclear fragmentation measurements for hadrontherapy "at International Nuclear Physics Conference (INPC2013) Firenze
- October 2013 invited talk on " The FIRST experiment:: Fragmentation of Ions Relevant for Space and Therapy" at International Conference on Nuclear Fragmentation 2013 (NUFRA2013) Kemer, Turkey
- January 2014 : Ludwig-Maximilians-Universität Colloquium on "Nuclear aspects in hadrontherapy", Munich, Germany
- February 2014: talk on " The INSIDE project: an integrated monitoring system for the on-line assessment of particle therapy treatment accuracy", ICTR-PHE 2014, Geneva
- September 2014: invited talk on "INFN Research and Development in Hadrontherapy" at international workshop: ""HADRONTHERAPY: a new frontier for cancer treatment", CNAO, Pavia, Italy
- September 2014 invited talk on:Novel techniques for dose monitoring in particle therapy", MEDAY international Workshop, Alghero, Italy