

Marie Skłodowska-Curie Actions : Individual Fellowships Post-doc positions ENEA – 2015

**Deadline of the next call for proposals for Individual Fellowships:
10 September 2015, 17:00 Brussels time**

Post-doc positions in ENEA - Research Areas

Radiation Biology and Human Health

❖ Toxicology



Toxicology - Consales Spanò.pdf

❖ Plant Biotechnology, molecular farming



Plant Biotech - Donini.pdf

❖ Therapeutic anticancer vaccines



Anticancer vaccines - Franconi.pdf

❖ Neuro-toxicology: Effect of the Extremely Low Frequency Magnetic Fields (ELF-MFs) in neuronal cells



Neuro-toxicology - Benassi.pdf

❖ Effects of radiation exposure on *in vitro*, *ex-vivo* and *in-vivo* models



Effects radiation exposure - Mancuso.pdf

Nuclear Energy (Nuclear Fusion)

❖ Studies on inertial confinement Nuclear Fusion



Inertial confinement - De Angelis.pdf

❖ Applied Superconductivity – study of magnetic phenomena in superconductors



Superconductivity 1 - De Marzi.pdf

❖ Applied Superconductivity



Superconductivity 2 - De Marzi.pdf

Materials technologies

❖ Materials Science



Materials Science - Montone.pdf

❖ Optical coatings



Optical coatings - Piegari.pdf





Post-doc positions in ENEA - Research Areas










Climate and the Environment

❖ Marine Ecology	 Marine Ecology - Fanelli.pdf
❖ Marine Molecular Ecology	 Marine molec. ecology-Pannacciulli.pdf
❖ Marine Biology, Biomineralization and Climate Change	 Marine Biology - Lombardi.pdf
❖ Sustainable development of Primary Production	 Primary Production - Arpaia.pdf
❖ Climate Research	 Climate Research - Alessandri.pdf
❖ Materials recovery from waste	 Materials recovery - Cafiero.pdf
❖ Air pollution dispersion modeling	 Air pollution - Grandoni.pdf
❖ Air pollution dispersion modeling and simulation	 Air pollution - Mammarella.pdf
❖ Air pollution and climate change impacts on natural ecosystems	 Air pollution - De Marco.pdf
❖ Environment and Geosciences	 Environment, Geosciences-Mircea.pdf
❖ Environmental Science, Aquatic ecology	 Aquatic ecology - Morgana.pdf

Advanced Technologies for Energy and Industry

❖ CO ₂ Utilization: CO ₂ conversion to fuel	 CO2 utilization - Barbarossa.pdf
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Renewable Sources	
❖ Electric Energy Storage	 Energy storage - Prosini.pdf
❖ Hydrogen and Fuel Cells, High-temperature fuel cells	 Hydrogen, Fuel cells - McPhail.pdf
❖ Recovery and recycling processes of PV panels	 PV panels - Cigolotti.pdf
❖ Renewable Energy and Storage Integration into Smart Grids	 Smart Grids - Cigolotti.pdf

Development and applications of radiations	
❖ Photonics Micro and Nano-structures	 Photonics Micro,Nano - Montereali.pdf
❖ Solid State Laboratory: optical spectroscopy and laser confocal microscopy	 Solid State Laboratory - Bonfigli.pdf
❖ Laser assisted pyrolysis synthesis for nanopowders production	 Laser assisted pyr - D'Amato,Falconieri.pdf
❖ Optical and laser spectroscopic characterization of materials	 Characterization - Falconieri.pdf
❖ Diagnostics and Metrology Laboratory: <ul style="list-style-type: none"> • Ocean Optics, HPLC pigment determination • Laser Induced Fluorescence Spectroscopy – characterization of materials for Cultural Heritage • Laser Raman Investigation • Laser Induced Breakdown Spectroscopy – Laser Plasma Interaction • 3D Laser Metrology – application in extreme environment 	 Ocean Optics - Artuso.pdf  LIFS - Caneve.pdf  Laser Raman Investigation - Chirico.pdf  LIBS - Colao.pdf  3D Laser Metrology - DeCollibus.pdf

- Laser methods for geochemical analysis of hydrocarbons source rock
- Extremely Low Frequency electromagnetic fields
- Atmospheric Laser remote sensing
- 3D Laser methodology, imaging in underwater environment
- Diagnostics for safety
- 3D Laser Metrology, remote colorimetry and advanced image processing
- Biohazards and food quality
- Laser Induced Breakdown Spectroscopy, material characterization
- Satellite remote sensing
- Laser spectroscopic investigation, detection of hazardous and toxic components
- Laser Induced Fluorescence Spectroscopy, material characterization in forensic applications
- Tissue engineering and regenerative medicine



Laser geochemical - DeDominicis.pdf



Electromagnetic fields - DeNinno.pdf



Atmospheric Laser - Fiorani.pdf



3D Laser Metrology - Francucci.pdf



Diagnostics for safety - Giubileo.pdf



3D Laser Metrology - Guarneri.pdf



Biohazards and food quality - Lai.pdf



LIBS - Lazic.pdf



Satellite remote sensing - Marullo.pdf



Laser spectro investigation - Palucci.pdf



LIFS - Spizzichino.pdf



Tissue engineering - Teodori.pdf