



**Tiziana Stomeo**

## CONTACT



Via Barsanti, 14  
73010 Arnesano (Le), Italy  
(Work)

## WORK EXPERIENCE

**01/02/2011 – CURRENT** Arnesano (Le), Italy

**Senior Technician** Center for Biomolecular Nanotechnologies, Istituto Italiano di Tecnologia

- Setting up and management of the "Clean Room" Laboratory.
- Support to the experimental activities on the development of the technological protocols for the fabrication of the devices and nanostructures.
- Teaching and supervision for masters and doctoral students.
- Assistant of the Prevention and Protection Service (ASPP) for the management of procedures related to health and safety at work.
- Category Specialist for the management of lab equipments and chemicals purchasing.
- RDA maker to manage purchase requests through SAP management system.

**14/06/2022 – CURRENT**

**Expert Evaluator: HORIZON-EIC-2022-PATHFINDEROPEN**  
European Commission - European Research Executive Agency (REA/A/05)

- Reading and analysing the background information.
- Participating in the expert briefings.
- Participating in evaluation meetings and hearings.
- Drafting and submitting the evaluation reports for the evaluated proposals.

**21/11/2018 – CURRENT**

**Expert Evaluator / Rapporteur: HORIZON-MSCA** European Commission - European Research Executive Agency (REA/A/05)

- Reading and analysing the background information.
- Participating in the expert briefings.
- Participating in evaluation meetings and hearings.
- Drafting and submitting the individual evaluation reports for the evaluated proposals.
- Drafting and submitting the consensus reports (CRs) for the evaluated proposal.

**14/06/2016 – 04/12/2019**

**Expert Evaluator: H2020-FETOPEN**

**2016-2017-2018-2019-2020** European Commission - European Research Executive Agency (REA/A/05)

- Reading and analysing the background information.
- Participating in the expert briefings.
- Participating in evaluation meetings and hearings.
- Drafting and submitting the evaluation reports for the evaluated proposals.

**01/02/2008 – 31/01/2011** Lecce, Italy

**Researcher** CNR- Istituto Nanoscienze, Via Arnesano, 73100 Lecce

Development and fabrication of:

- metallic nanostructure for plasmonics and non-linear effects;
- high power devices (HEMT) based on GaN heterostructures in the framework of the FIRB "Tecnologie abilitanti, caratterizzazione per componenti elettronici integrati riconfigurabili a banda larga per alta frequenza" project, Prot. N° RBIP068LNE

**02/2009 – 04/2009** Perth, Australia

**Visiting Researcher** Microelectronic Research Group (MRG), University of Western Australia (UWA)

Development and fabrication of nitride-based devices, and characterization of their electronic, electrical and optical properties.

**18/07/2007 – 31/01/2008** Lecce, Italy

**Researcher** Università del Salento - Dipartimento di Ingegneria dell'Innovazione, Lecce

Development and fabrication of photonic crystal-based devices for both bio- and telecommunications applications in the framework of the PRIN2005 "Nanosensori a banda fotonica proibita" project, Prot. N° 2005098022.

**02/06/2006 – 01/06/2007** St. Andrews, United Kingdom

**Post Doctoral Researcher** Microphotonic Research Group, University of St. Andrews (Scotland)

Development and Fabrication of InP-based photonic crystal devices in the framework of the European FP6-IST project FUNFOX (Functional Photonic Crystal Devices for Metropolitan Optical Networks).

## EDUCATION AND TRAINING

**01/2007 – CURRENT** Italy

**National Scientific Habilitation for Associate Professor in Electronics (09/E3)** MInist ero dell'Università e della Ricerca (MIUR)

**01/2017 – CURRENT**

**Safety Trainer** Confindustria Genova

**10/03/2015 – CURRENT**

**Research Manager** Center for Biomolecular Nanotechnologies@UniLe, Arnesano (Lecce)

**02/06/2003 – 01/06/2006** Lecce, Italy

**Phd in "Innovative Materials and Technologies"** University of Lecce

**Address** 73100, Lecce, Italy | **Level in EQF** EQF level 8 | **Thesis** Development of a 2D-Photonic Crystal Technology for optical devices

**22/04/2002** Bari, Italy

**Master Degree in Electronic Engineering** Politecnico di Bari

**Address** 70100, Bari, Italy | **Level in EQF** EQF level 7 | **Thesis** Fabrication of 2D Photonic Crystal Waveguides

## LANGUAGE SKILLS

**MOTHER TONGUE(S):** Italian

**Other language(s):**

English

**Listening** C1

**Reading** C1

**Writing** C2

**Spoken production** B2

**Spoken interaction** B2

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## DIGITAL SKILLS

Microsoft Office | Skype | CAD modelling | Data Analysis Software | Eccellente conoscenza dei sistemi Windows macOS | Social Media | Internet User | Google Drive

## PUBLICATIONS

### ● Publications in peer-review journals

Total number of publications: 94  
Total number of citations: 1219  
H index: 21

### ● Book Chapters

- T. Stomeo, A. Qualtieri, F. Pisanello, L. Martiradonna, P. Pompa, M. Grande, A. D'Orazio, M. De Vittorio, Chapter Title: "Silicon Nitride Photonic Crystal Free-Standing Membranes: A Flexible Platform for Visible Spectral Range Devices"; Book Title: "Advances in Photonic Crystals", DOI 10.5772/47821, Publisher: IntechOpen - 2013
- A. Qualtieri, T. Stomeo, L. Martiradonna, R. Cingolani, M. De Vittorio, Chapter Title: "Advances in resist materials and processing technology: photonic devices fabricated by direct lithography of resist/colloidal nanocrystals blend"; Book Title: Lithography, ISBN 978-953-307-064-3, Publisher: IntechOpen - 2010

## PROJECTS

**2017 – 2020**

● **PRIN 2015: "Wireless Networks through on-chip Optical Technology - WINOT", Prot. N° 20155EA8BC**

**2012 – 2013**

● **International Research Grant "Development of Photonic Crystal Biosensors for Cardiac Biomarker Detection"**

**2007 – 2010**

● **FIRB "Tecnologie abilitanti, caratterizzazione per componenti elettronici integrati riconfigurabili a banda larga per alta frequenza" project, Prot. N° RBIP068LNE**

● **PRIN 2005 "Nanosensori a banda fotonica proibita" project, Prot. N° 2005098022**

**2004 – 2007**

● **European FP6-IST project FUNFOX (Functional Photonic Crystal Devices for Metropolitan Optical Networks)**

## HONOURS AND AWARDS

**01/2011** US Army RDECOM

● **Research Award "Fabrication and characterization of two-dimensional periodic plasmonic nanostructures operating in linear and non-linear regime"**

Grant. n° W911NF-11-1-0284\_1490-AM-01

**11/2008** Australia Academy Science

● **Successful Recipient of the 2009-2010 Australia-Italy Award**

**10/09/2009** University of Western Australia (UWA), Perth (Australia)

● **Invited Seminars**

- Photonic Crystals: Development of a 2D PhC technology for optical devices
- Fabrication of high electron mobility transistors (HEMTs) based on Gallium Nitride (GaN)

**17/04/2009** University of Adelaide, Adelaide (Australia)

● **Invited Seminar**

Photonic Crystals: Development of a 2D PhC technology for optical devices

**22/04/2009** Australian National University (ANU), Canberra (Australia):

● **Invited Seminar**

Photonic Crystals: Development of a 2D PhC technology for optical devices

## JOB-RELATED SKILLS

● **Huge experience in:**

- High resolution nanotechnological processes
- Scanning probe-based microscopy for morphological characterization at the nanometric level

## OTHER SKILLS

### CURRENT

- First Aid: certified in providing first aid as employee of IIT

### CURRENT

- BLSD: certified in providing first aid as employee of IIT

### CURRENT

- Fire fighting: certified in providing fire-fighting help as employee of IIT