

EUROPEAN
CURRICULUM VITAE
FORMAT

Name **MUCCINI MICHELE**
Telephone **+39 051 6398521**
Fax **+39 06 90672372**
E-mail **michele.muccini@cnr.it**

WORK EXPERIENCE

- Dates (from– to) March 2017 – April 2019
 - Name and address of employer C.N.R. ROMA1 RESEARCH AREA – Montelibretti, (www.mlib.cnr.it)
 - Type of business or Sector Public Research, The Roma1 Research Area is the largest campus in the C.N.R. network with its 13 Research Institutes with more than 500 employees and a campus surface extension of 70 ha. The research activities of the Institutes cover the main topics of Environment, Cultural Heritage, Agrifood, Chemical Sciences and Materials Technology
 - Occupation or Position held **President**
 - Main activities and responsibilities Representative for the Board of Directors: policies manager and responsible for the strategic goals set out by the Board
- Dates (from – to) May 2014 - present
 - Name and address of employer MISTER Smart Innovation
 - Type of business or sector Public-Private Consortium, science-enabled disruptive innovation, technology transfer, Business acceleration
 - Occupation or position held **President**
www.laboratoriomister.it
- Dates (from – to) January 2014 – January 2024
 - Name and address of employer CNR-ISMN www.ismn.cnr.it
 - Type of business or sector Scientific Research, chemical science, materials science and technology
 - Occupation or position held **Director**
- Dates (from – to) August 2010 – December 2013
 - Name and address of employer CNR-ISMN
 - Type of business or sector Scientific Research, materials science and technology
 - Occupation or position held **Deputy Director of CNR-ISMN-Bologna**
- Dates (from – to) June 2013 - December 2013
 - Name and address of employer E.T.C. s.r.l., CNR Spin off, Start up of the SAES Getters S.p.A. Group (www.saesgetters.com)
 - Type of business or sector Private sector, spin off company, materials science
 - Occupation or position held **Chief Executive Officer**
- Dates (from – to) February 2010 - December 2013
 - Name and address of employer E.T.C. s.r.l., CNR Spin off, Start up of the SAES Getters S.p.A. Group (www.saesgetters.com)
 - Type of business or sector Private sector, spin off company, materials science
 - Occupation or position held **Chief Technology Officer**, co-founder and member of the Board of Directors
- Dates (from – to) January 2007 - present
 - Name and address of employer CNR-ISMN
 - Type of business or sector Scientific Research, materials science and technology
 - Occupation or position held **CNR Director of Research**

EDUCATION

- Dates (from – to) May 1994 – June 1995

- Name and address of employer
 - Type of business or sector
- Occupation or position held
- Dates (from – to)
- Name and address of employer
 - Type of business or sector
- Occupation or position held
- Dates (from – to)
- Name and address of employer
 - Type of business or sector
- Occupation or position held

ORGANISATIONAL/COORDINATION SKILLS AND COMPETENCES

University of Marburg (Germany), Faculty of Chemical-Physics
 Scientific Research, Chemical-Physics of organic and hybrid semiconductors. Ultrafast optical spectroscopy of organic and hybrid materials and thin films.
Research Fellow
 May 1992 – April 1994
 CNR, Istituto di Spettroscopia Molecolare
 Scientific Research, Chemical-Physics of organic semiconductors and HTc superconductors. Optical and vibrational Spectroscopy of organic thin films and single crystals.
Research Scholarship
 October 1986 – June 1991
 University of Bologna, Department of Physics
 University course in Physics, Solid state physics
Doctor in Physics cum laude
Curator of TEDxCNR (www.tedxcnr.com), the global communication event of CNR with TED (www.ted.com) format to be held at Auditorium Parco della Musica – Rome on October 8, 2016.

Coordination and management of > 60 people as Deputy Director of CNR-ISMN-Bologna.
 Coordination of large research groups (> 20 researchers) and of large research projects (> 10 partners) from both the academia, public research environment, and industry, both national and international.
 Management of an annual research budget > 10 million euro as part of the duties as CNR research group leader, Deputy Director of CNR-ISMN-Bologna, and Chief Technology Officer of E.T.C. s.r.l.

EU Projects Coordinator: “Training network on organic optoelectronics integrated with living systems for neuroscience investigations and applications” (OLIMPIA); “Integrated Photonic Field-Effect Technology for bio-sensing functional components” – (PHOTO-FET); “Organic electrically pumped LASer by engineering of heterostructures in field-effect devices” (OLAS); “Injection Lasing in Organic Thin Films” (ILO)

National Project Coordinator: PNRR-Ecosystems “Ecosystem for Sustainable Transition in Emilia-Romagna”, Spoke leader SPOKE 1 “Materials for sustainability and ecological transition”; FIRB “Sviluppo di componenti e soluzioni tecnologiche integrate per Display di nuova generazione” (NODIS)

Industrial Projects Coordinator: Industrial Research project Bleiner AG - CNR “Sviluppo di processi INnovativi per la realizzazione di sistemi Fotovoltaici di Nuova generazione a base organica e Ibrida” (SINFONIA); Industrial Research project ETC srl - CNR “Sviluppo di tecnologia fotonica ad effetto di campo” (OLET)

Scientific Responsibility of national and International Research Projects :

SUNFLOWER Sustainable Novel FLEXible Organic Watts Efficiently Reliable; INDUSTRIA 2015 - Ministero dello Sviluppo Economico, “Nuova generazione di sistemi di illuminazione/segnalazione intelligenti ad alta efficienza che incorporano generazione ed accumulo energetico » ALADIN; LAMP “Laser induced synthesis of polymeric nanocomposite materials and development of micro-patterned hybrid light emitting diodes (LED) and transistors TRANSISTORS (LET)”; MIUR-PRIN “Electronic and electrochemical biosensors”; Progetti per l’innovazione e lo sviluppo del Mezzogiorno – CNR – Energia da Fonti Rinnovabili – EFOR; “Illuminatori per laparoscopia miniaturizzata”; “Bio-Inspired Molecular Opto-Electronics” (BIMORE); Bilateral research project Italy-Portugal (CNR-ICCTI) “Optoelectronic properties of organic conjugated thin films grown by vacuum sublimation”; FIRB 2003 “Composti molecolari e materiali ibridi nanostrutturati con proprietà ottiche risonanti e non risonanti per dispositivi fotonici”; CNR-INSTM “Progettazione Molecolare - PROMO” “Nanostrutture organiche, organometalliche, polimeriche ed ibride: ingegnerizzazione supramolecolare delle proprietà fotoniche e dispositivi innovativi per optoelettronica”; Regione Emilia-Romagna Programma Operativo Regionale 2007-2013 - Fondo europeo di sviluppo regionale, Obiettivo Competitività regionale e occupazione. Tecnopolo CNR-AMBIMAT – Materiali e Ambiente.

KEYNOTE AND INVITED LECTURES AT INTERNATIONAL CONFERENCES

More than 120 invited talks and Keynote lectures at international conferences

INTERNATIONAL PANELS AND COMMITTEES

Chair of the following international conferences: 5th International Topical Conference on Optical Probes of Conjugated Polymers and Organic & Inorganic Nanostructures, Venezia 2003; Photonics Europe – SPIE International Conference, Simposio su “Organic Photonics and Optoelectronics I, II, III”, Strasburgo 2004-2006-2008; 14th International Workshop on Inorganic and Organic Electroluminescence & 2008 International Conference on the Science and Technology of Emissive Displays and Lighting, Tivoli 2008; European Materials Research Society meeting (EUROMAT 2013), Sevilla 2013. CIMTEC 2018, 7th FORUM ON NEW MATERIALS, SYMPOSIUM FI, MATERIALS AND TECHNOLOGIES FOR HIGHLY EFFICIENT SOLID STATE LIGHTING, PERUGIA, ITALY, JUNE, 2018. 18th IEEE INTERNATIONAL CONFERENCE ON OPTICAL COMMUNICATIONS AND NETWORKS (ICOON’2019), SPECIAL SESSION ON OPTOELECTRONICS, HUANGSHAN, CHINA, AUGUST, 2019.

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| EDITORIAL BOARDS | Member of the Editorial Board of the following International Scientific Journals: Organic Photonics and Photovoltaics, Versita, Warsaw, Poland; The Open Applied Physics Journal, Bentham Science Publishers; The Open Physical Chemistry, Bentham Science Publishers; Advances in materials science and engineering, Hindawii Publisher; International Journal C+CA: progress in engineering and science; The Brazilian journal of physics; Science and engineering of composite materials, de Gruyter Publisher. |
| EDITOR OF SCIENTIFIC BOOKS | “Organic Optoelectronics and Photonics III”, edited by Paul Heremans, Michele Muccini, Eric Moelenkamp, (SPIE, Bellingham, WA, 2008). ISSN 0277-786X. ISBN 9780819471970; Synthetis Metals Vol. 139 n°3 (2003), Elsevier publisher, ISSN 0379-6779. Special Issue- Proceedings of the Fifth International Topical Conference on Optical Probes of Conjugated Polymers and Organic & Inorganic Nanostructures” Edited by G. Lanzani, D. Comoretto, M. Muccini; “Organic Optoelectronics and Photonics”, edited by Paul Heremans, Michele Muccini, Hans Hofstraat, (SPIE, Bellingham, WA, 2004). ISSN 0277-786X. ISBN 0-8194-5387-0; “Organic Optoelectronics and Photonics II”, edited by Paul Heremans, Michele Muccini, Eric Moelenkamp, (SPIE, Bellingham, WA, 2006). ISSN 0277-786X. ISBN 0-8194-6248-9. |
| BIBLIOMETRIC FIGURES | More than 230 scientific papers in international scientific journals. More than 11.000 citations, H index 52. |
| BOOKS | M. Muccini and S. Toffanin, <i>Organic Light Emitting Transistors: towards the next generation display technology</i> , Wiley, New York, published April 2016. |
| PATENTS | 20 International patents and patent applications (USPO, EPO, WO) concerning materials and technological solutions in the field of organic photonics, OLET technology, biomedical devices. |

01 April 2025

