



CURRICULUM VITÆ
OF
GIORGIO BIASIOL

Personal Information

 CNR, Istituto Officina dei Materiali (IOM)
AREA Science Park Basovizza, SS 14, Km 163,5, 34149, Trieste,
 Italy

WORK EXPERIENCE

from 01/01/2021 to today

TECHNOLOGY DIRECTOR

CNR-IOM, LABORATORIO TASC

Direction of the high mobility MBE (Molecular Beam Epitaxy) and magnetotransport laboratories at the IOM-CNR Institute in Trieste, Italy.

<https://www.iom.cnr.it/research-facilities/facilities-labs/synthesis-and-nano-fabrication/hmmbe/>

Type of business or sector: Research centre

from 01/01/2010 to
31/12/2020

SENIOR DEVELOPMENT SCIENTIST-TECHNOLOGIST

CNR-IOM, LABORATORIO TASC

Direction of the high mobility MBE (Molecular Beam Epitaxy) and magnetotransport laboratories at the IOM-CNR Institute in Trieste, Italy.

<https://www.iom.cnr.it/research-facilities/facilities-labs/synthesis-and-nano-fabrication/hmmbe/>

Type of business or sector: Research centre

from 01/12/2001 to
31/12/2009

DEVELOPMENT SCIENTIST-TECHNOLOGIST

CNR-IOM, LABORATORIO TASC

Management of the high mobility MBE (Molecular Beam Epitaxy) and magnetotransport facilities at the TASC IOM-CNR Lab in Trieste, Italy.

Type of business or sector: Research centre

from 15/08/1999 to
30/11/2001

POST-DOC FELLOW

LABORATORIO NAZIONALE TASC INFM

Growth and characterization of high-mobility III-V semiconductors

Type of business or sector: Research centre

from 01/08/1998 to
01/09/1999

SCIENTIFIC COLLABORATOR

DÉPARTEMENT DE PHYSIQUE, ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE

Epitaxial growth and characterization of semiconductor nanostructures

Type of business or sector: University

from 01/08/1994 to
31/07/1998

GRADUATE STUDENT - ASSISTANT

DÉPARTEMENT DE PHYSIQUE, ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE

Epitaxial growth and characterization of semiconductor nanostructures, teaching assistant in Physics diploma courses

Type of business or sector: University

from 17/05/1994 to
30/06/1995

HONORARY FELLOW

SYNCHROTRON RADIATION CENTER, UNIVERSITY OF WISCONSIN, MADISON, WI

Synchrotron radiation photoelectron spectroscopy

Type of business or sector: University

from 01/08/1992 to
31/07/1994

RESEARCH SPECIALIST

**DEPARTMENT OF CHEMICAL ENGINEERING AND MATERIALS SCIENCE,
UNIVERSITY OF MINNESOTA, MINNEAPOLIS, MN**

Synchrotron radiation and X-ray photoemission spectroscopy

Type of business or sector: University

EDUCATION AND TRAINING

from 01/08/1994 to
13/11/1998

Ph.D. Degree in Physics, Département de Physique, École Polytechnique Fédérale, Lausanne (CH)

“Formation Mechanisms of Low-Dimensional Semiconductor Nanostructures grown by OMCVD on Nonplanar Substrates”

from 01/10/1986 to
10/07/1992

Masters Degree in Physics (with honors), Dipartimento di Fisica, Università degli Studi di Trieste

“Crescita Mediante Deposizione a Fasci Molecolari (MBE) e Caratterizzazione di Eterostrutture Eterovalenti di Semiconduttori: Ge/III-V e III-V/Ge”

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s) English proficiency Level: C2
French proficiency Level: B2

- Project-related expertise
- Leader of the HMMBE group, consisting normally of three to five people, aimed both to basic science and to technological innovation, in fields ranging from quantum transport to quantum computation, radiation detectors, spintronics, photonics, and large-scale infrastructures support (Elettra Synchrotron).
 - Coordinator/local coordinator for 9 National research projects, 2 EU H2020 projects and 4 commercial contracts
 - Involved in more than 20 National and European research projects and commercial contracts
 - Former member of the International Foresight Science & Technology Group of the Italian National Research Council (CNR).
 - Delegate of the IOM-CNR Institute at the Italian Technological Platform for Photonic Sources and Sensors.
 - Expert Pool member of the European Photovoltaic Technology Platform.
 - Expert evaluator for: ENI CBC-MED ERA-NET, Italian MIUR and MiSE, FNRS and FWO (Belgium), COST, NKFIH (Hungary), TACR (Czech).
 - Member of the teachers board, Doctorate School in Nanotechnology, University of Trieste, Italy.
 - Co-organizer of the 18th European Molecular Beam Epitaxy Workshop, March 2015.

Participation to public tender commissions

2022: member of the public tender commission for the assignment of the provision of a X ray diffraction system to the Istituto Nanoscienze of the National Research Council, Pisa

2022: member of the public tender commission for the assignment of the provision of a X ray diffraction system to the Istituto Officina dei Materiali of the National Research Council, Trieste

2021: member of the public tender commission for the assignment of the provision of a Molecular Beam Epitaxy system to the Istituto Nanoscienze of the National Research Council, Pisa

2010: member of the public tender commission for the assignment of the 3-year provision of liquid nitrogen to the Istituto Officina dei Materiali of the National Research Council, Trieste

2000: member of the public tender commission for the assignment of the provision of an Atomic Force Microscope to the Laboratorio Nazionale TASC-INFN, Trieste

Recent projects

2019-2023: H2020 FET OPEN "AndQC (Andreev qubits for scalable quantum computation)" (Local coordinator)

2017-2020: PRIN 2015 "Rivelatori di raggi X in semiconduttori ad alto numero atomico per sorgenti di nuova generazione" (Local coordinator)

2017-2021: H2020 FET OPEN "MIR-BOSE (Mid- and far-IR optoelectronic devices based on Bose-Einstein condensation)" (National coordinator)

Research products

Author of more than 220 papers on peer reviewed international journals and 5 invited papers and book chapters.

h-index: 31 (Scopus), 29 (ISI-WoS), 35 (Google Scholar)

ORCID: <http://orcid.org/0000-0001-7974-5459>

ResearcherID: X-8255-2019, <https://publons.com/researcher/X-8255-2019/>

Google Scholar: <http://scholar.google.it/citations?user=HrGAeroAAAAJ&hl=it&oi=ao>

