

Curriculum Vitae

INFORMAZIONI PERSONALI

Nome GIUSEPPE
Cognome LULLO
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FORMAZIONE TITOLI

- 1998: Visiting scientist for seven months at the Department of Electronics and Computer Science of the Massachusetts Institute of Technology (M.I.T.), Cambridge, USA, working on the fabrication of integrated optical devices on GaAs using epitaxial crystal regrowth .
- 1996 to 1998: Post-Doc grant from the University of Palermo on the development of Microtechnologies for the fabrication of micro-electrical and micro-mechanical devices.
- 1995: Stage at the Laser Zentrum in Hannover (Germany), under a project for realizing a computer controlled variable dielectric attenuator, to be used for stabilizing the output power of an excimer laser.
- 1995: National Research Council (C.N.R.) grant on Quantum Electronics. Research activity on the realization of an automatic bench for measurement of photoluminescence and lasing spectra from Multi-Quantum Well semiconductor structures.
- 1991 to 1994: PhD in Electronic Engineering from the University of Palermo. The research activity during this period concerned the study of laser induced disordering on semiconductor Multi-Quantum Well structures, and the possibility to fabricate on such materials laser and electroabsorption optical modulators. The research activity was partially carried out, for fourteen months, at the Optoelectronic Research Group of Glasgow University (U.K.).
- 1990: Degree in Electronic Engineering from the University of Palermo. Thesis work on the design and fabrication of a Mach-Zehnder integrated electrooptical modulator on LiNbO₃.

ATTIVITA' DIDATTICA

- In charge for the course of "Applied Electronics" (master level degree in Electronic Engineering, 9 credits) since the academic year 2012-2013.
- In charge for the course of "Electronics 1" (first level degree in Electronic Engineering, 9 credits) since the academic year 2011-2012.
- In charge for the course of "Electronics for Telecommunications" (master level degree in Electronics, 9 credits) from the academic year 2006-2007 to the academic year 2010-2011.
- In charge for the course of "Electronics" (first level degree in Automation Engineering, 9 credits) from the academic year 2003-2004 to the academic year 2008-2009.
- In charge for the course of "Electronics" (first level degree in Computer Science Engineering, 6 credits) during the academic year 2002-2003.
- Teaching activities supporting the courses of "Electronic Devices" and "Electronics for Telecommunications" from the academic year 1999-2000 to the academic year 2004-2005.

PUBBLICAZIONE

- LO CICERO U, ARNONE C, BARBERA M, COLLURA A, LULLO G (2012). Electroplated Indium Bumps as Thermal and Electrical Connections of NTD-Ge Sensors for the Fabrication of Microcalorimeter Arrays. JOURNAL OF LOW TEMPERATURE PHYSICS, vol. 167, p. 535-540, ISSN: 0022-2291, doi: 10.1007/s10909-012-0560-4
- LO CICERO U, ARNONE C, BARBERA M, COLLURA A, LULLO G (2012). Fabrication of Electrical Contacts on Pyramid-Shaped NTD-Ge Microcalorimeters Using Free-Standing Shadow Masks. JOURNAL OF LOW TEMPERATURE PHYSICS, vol. 167, p. 541-546, ISSN: 0022-2291, doi: 10.1007/s10909-011-0418-1
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- G CHIANETTA, C ARNONE, BARBERA M, J BEEMAN, A COLLURA, LULLO G, E PERINATI, E SILVER (2008). A fully planar approach to the construction of X-Ray microcalorimeters with doped Germanium sensors. JOURNAL OF LOW TEMPERATURE PHYSICS, vol. 151, p. 387-393, ISSN: 0022-2291, doi: 10.1007/s10909-007-9662-9
- U. LO CICERO, C. ARNONE, M. BARBERA, A. COLLURA, LULLO G, S. VARISCO (2008). Planar Array Technology for the Fabrication of Germanium X-Ray Microcalorimeters. In: Nuclear Science Symposium Conference Record, 2008. NSS '08. IEEE. Dresden (Germany), 19-25 October 2008, ISBN: 978-1-4244-2714-7, doi: 10.1109/NSSMIC.2008.4774739
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- M. BARBERA, M. ARTALE, R. CANDIA, A. COLLURA, LULLO G, G. PERES, E. PERINATI, S. VARISCO, J.A. BOOKBINDER, P.N. CHEIMETS, M.L. COSMO, E.E. DELUCA, M.A. WEBER (2004). Calibration of the XRT-SOLARB flight filters at the XACT facility of INAF-OAPA. In: Proc. SPIE: UV and Gamma-Ray Space Telescope Systems. San Diego, USA, 3-8 agosto 2003, vol. 5488, p. 423-439, Bellingham, WA:SPIE, ISBN: 9780819454201, doi: 10.1117/12.553127
- BARBERA M, ARTALE MARIA ANTONELLA, CANDIA ROBERTO, COLLURA ALFONSO, LULLO G, PERES G, PERINATI EMANUELE, VARISCO SALVATORE, BOOKBINDER J A, CHEIMETS PETER N, COSMO MARIO L, DELUCA EDWARD E, GOLUB LEON, WEBER, MARK A (2004). Calibration of the XRT-SOLARB flight filters at the XACT facility of INAF-OAPA. In: Proc. SPIE: UV and Gamma-Ray Space Telescope Systems. San Diego, USA, 3-8 agosto 2003, vol. 5488, p. 423-439, Bellingham:SPIE, ISBN: 9780819454201, doi: 10.1117/12.553127
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- LULLO G, C.G. GIACONIA, P. CUSUMANO, C. ARNONE (2002). Micropatterned free-standing shadow masks for PVD applications. In: 5th Symposium of European Vacuum Coaters. 30 settembre-2 ottobre 2002
- C. GIACONIA, G. CARINI, LULLO G, C. ARNONE (2002). Specchi diffrattivi per laser a CO₂. II: tecniche di fabbricazione. In: ODIMI '02 - 3° Workshop su Ottiche diffrattive, Microottica e Microsistemi. 31 maggio 2002, p. 35-40
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- T. KNODL, K.H. CHOY, J.L. PAN, R. KING, R. JAGER, LULLO G, J.F. AHADIAN, R.J. RAM, C.G. FONSTAD, K.J. EBELING (1999). RCE photodetectors based on VCSEL structures. IEEE PHOTONICS TECHNOLOGY LETTERS, vol. 11, p. 1286-1291, ISSN: 1041-1135, doi: 10.1109/68.789720
- LULLO G, A. MCKEE, C.J. MCLEAN, A.C. BRYCE, C.C. BUTTON, J.H. MARSH (1998). Fabrication of electroabsorption modulators using laser disordered GaInAs/GaInAsP multiple quantum well structures. In: E. HERBERT LI. SPIE Milestone Series: "Selected Papers on Quantum Well Intermixing for Photonics". vol. MS145, p. 500-501, BELLINGHAM:SPIE - Optical Engineering Press, ISBN: 0-8194-2856-6
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- C. ARNONE, C. GIACONIA, LULLO G (1997). Fabrication of diffractive optics: surface reliefs and artificial dielectrics. In: S. MARTELLUCCI; A.N. CHESTER. Diffractive Optics and Optical Microsystems. p. 119-131, NEW YORK:Plenum Press, ISBN: 978-0-306-45770-8
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PATENTS

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AMBITI DI RICERCA

- Mixed-Signals Electronics
- Photonics
- Micro and Nano Technologies