

Curriculum Vitae

INFORMAZIONI PERSONALI

Nome GIUSEPPE
Cognome LULLO
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FORMAZIONE TITOLI

- During the years, thanks to the long periods of time spent abroad, an advanced level of spoken and written English has been gained. Recently (2024) a "C1 English for Academic Staff" microbadge certification has been obtained from Unipa-C.L.A..
- 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**" (9 credits, *fully on-line master degree in **Electronics and Telecommunications Engineering***) from the academic year 2021-2022 up to now.
- In charge for the course of "**Applied Electronics**" (9 credits, *international master degree in **Electronics Engineering***) from the academic year 2012-2013 up to now.
- In charge for the course of "**Electronics 1**" (9 credits, *first level degree in **Electronic Engineering***) from the academic year 2011-2012 up to now.
- In charge for the course of "Electronics Fundamentals" (9 credits, first level degree in Computer Science and Telecommunications Engineering) during the academic year 2014-2015.
- In charge for the course of "Electronics for Telecommunications" (9 credits, master level degree in Electronics) from the academic year 2006-2007 to the academic year 2010-2011.
- In charge for the course of "Electronics" (9 credits, first level degree in Automation Engineering) from the academic year 2003-2004 to the academic year 2008-2009.
- In charge for the course of "Electronics" (9 credits, first level degree in Computer Science Engineering) 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

- Daniele Scirè, Giovanni Garraffa, Giuseppe Lullo, Gianpaolo Vitale, Pasquale Cusumano, Michele Calabretta, Angelo Alberto Messina, Costantino Giaconia, Alessandro Busacca, Antonino Sferlazza (2024). Implementation and Comparison of SiC and GaN switches for EV Fast Recharging Systems. In: 2023 Asia Meeting on Environment and Electrical Engineering (EEE-AM). Hanoi:IEEE, ISBN: 979-8-3503-8106-1, Hanoi, Vietnam, 13-15 Novembre 2023, doi: 10.1109/EEE-AM58328.2023.10395658
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- Scirè, Daniele, Lullo, Giuseppe, Vitale, Gianpaolo (2023). Assessment of the Current for A Non-Linear Power Inductor Including Temperature in DC-DC Converters. ELECTRONICS, vol. 12, 579, ISSN: 2079-9292, doi: 10.3390/electronics12030579

- Vella, Alberto, Galioto, Giuseppe, Vitale, Gianpaolo, Lullo, Giuseppe, Giaconia, Giuseppe Costantino (2023). GaN and SiC Device Characterization by a Dedicated Embedded Measurement System. *ELECTRONICS*, vol. 12, 1555, ISSN: 2079-9292, doi: 10.3390/electronics12071555
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- Scire, Daniele, Lullo, Giuseppe, Vitale, Gianpaolo (2022). Impact of Nonlinear Inductor on Efficiency and Power Losses in a SMPS: a Case Study. In: *2021 AEIT International Conference on Electrical and Electronic Technologies for Automotive (AEIT AUTOMOTIVE)*, p. 1-6, ISBN: 978-88-87237-52-8, Turin, Italy, 17-19 November 2021, doi: 10.23919/AEITAUTOMOTIVE52815.2021.9662686
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