PERSONAL INFORMATION

Donato Vincenzi

Affiliation
Università degli Studi di Ferrara)
Physics and Earth Sciences Department
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Sex Male | *Date of birth* 13/01/1975 | *IT*

Enterprise	University	EPR
☐ Management Level	☐ Full professor	☐ Research Director and 1st level Technologist / First Researcher and 2nd level Technologist / Principal Investigator
☐ Mid-Management Level	X Associate Professor	☐ Level III Researcher and Technologist
☐ Employee / worker level	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

from 12/2012 to present	Associate Professor at the Physics and Earth Sciences Department of the University of Ferrara. Head of the Photovoltaic Laboratory
from 11/2011 to 12/2014	Researcher at the University of Ferrara, Department of Physics.
from 11/2010 to 10/2011	Fixed-term research assistant (L.230/2005, D.I. 16/09/2009 n.94) at University of Ferrara
from 12/2007 to 10/2011	Research grant from the Department of Physics, University of Ferrara.
from 04/2007 to 10/2007	Senior Designer at Datalogic Advanced Development Group Scanning Inc. in Eugene –OR-
from 12/2003 to 03/2007	Hardware Designer at Datalogic S.p.A. in the R&D department, Bologna

EDUCATION AND TRAINING

From 11/1998 to 01/2002	Ph.D. in Physics (28th January 2002)
From 10/1994 to 10/1998	Graduated cum laude from the Physics Department of the University of Ferrara in Physics of Matter (27th October 1998).

WORK ACTIVITIES

Awards	"Premio Sapio per la Ricerca Italiana", 20 Gennaio 2009, Palazzo Marino, Milano International Venture Competition Climate-KIC, 22 Oct 2013, Wroclaw (PL) Start Cup Spinner 2013 (25/10/2012) Oral Presentation Award" International Commission for Optics e da ICTP, 12 Febbraio 2010, Trieste
Editorial activity	Guest Editor for Energies (MDPI) and Sustainability (MDPI). Referee for "Applied Materials and Interfaces" (Wiley) and "Progress in Photovoltaics" Wiley. Referee for "Progress in Photovoltaics", Wiley. since 07/2013
Invited presentations	University of Bologna and Milan, University of Nancy, University of Salzburg.
Grant	National Coordinator of the GLITTERY project funded by the Italian Space Agency to develop Lithium-Ion Batteries based on porous Ge anodes National Coordinator of the ANGELS project funded by the Italian Space Agency to develop Ge anodes for lithium-ion cells. Local coordinator of the TROPIC project funded by Region Emilia Romagna (POR-FESR funding scheme)

Local coordinator for the CFR consortium of the H2020 project IDEAS on the monitoring of performance hybrid solar technologies

Local coordinator of the Europen Project Apollon (Grant Agreement 213514)

Patents

- FILM FOR SOLAR CONCENTRATOR, AU2020285687
- A PROCESS FOR PRODUCING AN ANODE FOR LITHIUM-ION BATTERIES, CN112789748
- PHOTOVOLTAIC CONVERTER, WO2021198900
- MODULAR PHOTOCATALYTIC SYSTEM, WO2020260971
- SOLAR CONCENTRATOR, EP3833734
- DIFFUSER TUBE, EP3596385
- A LIGHTING GROUP, ZA201408197
- SOLAR POINTING SYSTEM, WO2015107559
- SISTEMA FOTOVOLTAICO, ITBO20130717
- SOLAR CONCENTRATOR, WO2013190490
- OPTO-ELECTRONIC SYSTEM FOR RADIOMETRIC MEASUREMENTS, US2013135465
- DISPOSITIVO PER CONVOGLIARE UN FASCIO DI RAGGI SOLARI UTILIZZABILE IN UN SISTEMA AD ALTA CONCENTRAZIONE PER LA PRODUZIONE DI ENERGIA ELETTRICA DA ENERGIA SOLARE, ITBO20120182
- ILLUMINATION LENS FOR AN OPTICAL CODE READER, AT536593
- LASER LIGHT BEAM SCANNING DEVICE FOR READING CODED INFORMATION AND SCANNING OPTICAL ELEMENT FOR SUCH DEVICE, AT512417
- CRADLE FOR CODED INFORMATION READER AND READING SYSTEM COMPRISING IT, CN102047269
- METHOD, DIAPHRAGMS AND OPTICAL RECEIVING DEVICES FOR IMPROVING THE DEPTH OF FIELD IN A LINEAR OPTICAL CODE READER, AT480831
- OPTICAL CODE READER, US8276819
- DISPOSITIVO FOTOVOLTAICO CON RICOPRIMENTO SUPERFICIALE DICROICO INTEGRATO, ITPD20080259

Mother tongue(s) Italian

Other language(s) English, advanced; Spanish, basic

Job-related skills Group coordination and management, project reporting, scientific writing.

Digital skills Use of Office, Zemax Opticstudio, Trace Pro, Rhinoceros, MPLAB-X, LabView

Other skills Optical design, semiconductor processing, characterization and analysis photovoltaic cells

ADDITIONAL INFORMATION

Publications

total number of publications in peer-review journals 71 (at February 2022, Source Scopus)
total number of citations 1490 (Scopus)
H index 24 (Scopus)
Relevant Publications:
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Performance optimization of luminescent solar concentrators under several shading conditions, Energies, 2021, 14(4), en14040816
Building Integrated Photovoltaic System for a Solar Infrastructure: Liv-lib' Project, Energy Procedia, 2016, 91, pp. 887–896
Ge growth on porous silicon: The effect of buffer porosity on the epilayer crystalline quality, Applied Physics Lettersthis link is disabled, 2014, 105(12), 122104
Binder-free nanostructured germanium anode for high resilience lithium-ion battery, Electrochimica Acta, 4 January 2022, 139832
Concentrating PV system based on spectral separation of solar radiation, Volume206, Issue 2, February 2009, Pages 375-378