



Giulio Meucci

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Gender: Male **Date of birth**: 13/12/1995 **Nationality**: Italian

ABOUT ME

I'm Senior research collaborator at the CNIT-RaSS National Laboratory and third year PhD student at the Department of Information Engineering of Pisa. I received the master's degree in Telecommunication Engineering in 2021 scoring 109/110. For the research activities of my master thesis I focused on finding new approaches to the open set recognition problem exploiting the possibilities offered by deep neural networks. As a researcher at CNIT I worked on different projects that improved my skills on both artificial neural networks and radar signal processing.

EDUCATION AND TRAINING

[04/2023 – 04/2024]

Visiting Research Student

University of Birmingham

City: Birmingham | **Country**: United Kingdom |

[2021 – Current]

PhD in Information Engineering

University of Pisa

City: Pisa | **Country**: Italy | | **Level in EQF**: EQF level 8

[2022]

Qualification to the Profession

University of Pisa, Pisa, Italy (Information Engineering Sector, Section A)

City: Pisa | **Country**: Italy |

[2018 – 2021]

Master's Degree in Telecommunication Engineering

University of Pisa

City: Pisa | **Country**: Italy | | **Level in EQF**: EQF level 7

[2014 – 2018]

Bachelor's Degree in Telecommunication Engineering

University of Pisa

City: Pisa | **Country**: Italy | | **Level in EQF**: EQF level 6

WORK EXPERIENCE

[2021 – Current]

Senior Research Collaborator

CNIT – Radar and Surveillance System (RaSS) National Laboratory

City: Pisa | **Country**: Italy

- Radar signal processing
- Artificial Intelligence applied to radar systems
- Electronic Warfare algorithms development
- Equipment Manager

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING C1 READING C2 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

HONOURS AND AWARDS

[04/2020] **Water quality monitoring for main European river** Awarding institution: European Space Agency

- Covid-19 Custom Script Contest – Weekly Winner
- Covid-19 Custom Script Contest – Second Stage: Up-scaling ideas, Fourth prize winner

Link: <https://www.sentinel-hub.com/develop/community/past-contests/>

[04/2024] **SET Panel Best Paper Award at the SET-318 Specialists' Meeting on AI and Machine Learning for cognitive radar**
Awarding institution: NATO

[06/2024] **Research, Technology, and Innovation Paper Award 2024** Awarding institution: European Defence Agency

PUBLICATIONS

[2022] **Radar Target Recognition based on Open Set YOLO**

Reference: Radar 2022 - International Conference on Radar Systems, IET, Murrayfield Stadium, Edinburgh, UK

[2023] **Point Cloud Transformer (PCT) for 3D-InISAR Automatic Target Recognition**

Reference: RadarConf'23 - 2023 IEEE RADAR CONFERENCE, IEEE, San Antonio Rivercenter, San Antonio, Texas, USA

[2023] **Credible Recognition of Radar Images: Interpretability Metric and Classification Score**

Reference: IGARSS 2023 - IEEE, Pasadena Convention Center, Pasadena, California, USA

[2023] **Naval Cybersecurity in the Age of AI: deceptive ISAR Images Generation with GANs**

Reference: 2023 IEEE 48th Conference on Local Computer Networks (LCN), IEEE, Daytona Beach, Florida, USA