

# Emanuele Palma

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## EDUCATION

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- **Doctor of Philosophy** Tampere University - Tampere, Finland  
• *EQF Level 8 - Image Compression* September 2018 - In Progress  
Faculty of Computing Sciences - Centre for Immersive Visual Technologies (CIVIT)
- **Exchange Student** Tampere University of Technology - Tampere, Finland  
• *Telecommunications Engineering* August 2015 - May 2016
- **Master of Technology (MSc)** Roma Tre University - Roma, Italy  
• *EQF Level 7 - 110/110 with honors - Telecommunications Engineering* October 2014 - March 2017
- **Bachelor of Technology (BSc)** Roma Tre University - Roma, Italy  
• *EQF Level 6 - 101/110 - Electronical Engineering* October 2010 - July 2014

## SKILLS SUMMARY

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- **Programming:** Python, MatLab, R
- **Languages:** Italian(Mother Tongue), English(C2), Spanish(A2)
- **Platforms:** Linux, Windows, macOS
- **Soft Skills:** Scrum Master, Leadership, Event Management, Public Speaking, Time Management, Public Relations

## WORK EXPERIENCE

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- **Detection Technology Oy** Espoo, Finland  
• *Research Scientist* Oct 2022 - Nov 2025
  - **Main Activities and Responsibilities:** Data Management and Software Developing for X-Ray Image Processing and Quality Enhancement
- **FHAIVE - Finnish Hub for Development and Validation of Integrated Approaches** Tampere, Finland  
• *Doctoral Researcher* Jul 2022 - Oct 2022
  - **Main Activities and Responsibilities:** Data Management and Software Developing for Chemical-Biological Systems Interaction
- **Exprivia s.p.a.** Roma, Italy  
• *RF Designer for the FWA Project for Italtel at OpenFiber S.p.A.* Nov 2017 - Aug 2018
  - **Main Activities and Responsibilities:** Full pipeline handling (site checking, RF design, quality checking) for the realization of new FWA sites in Italian rural sites.
- **Exprivia s.p.a.** Roma, Italy  
• *Network Engineer at Huawei Technologies Co. Ltd.* Jul 2017 - Oct 2017
  - **Main Activities and Responsibilities:** Remote operation support in the PSTN Decommissioning project. POTS lines management (deletion and reconfiguration).
- **GSNet Italia** Roma, Italy  
• *Network Operation Center Operator at ACEA* Oct 2016 - May 2017
  - **Main Activities and Responsibilities:** Level 2 ISO / OSI stack operations management. Network Switches, Routers and VoIP Phones configuration, deployment and maintenance.

## PUBLICATIONS

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- **E. Palma and I. Tabus, "Near-Lossless Coding of Plenoptic Camera Sensor Images for Archiving Light Field Array of Views":** 2022 Eleventh International Conference on Image Processing Theory, Tools and Applications (IPTA), Salzburg, Austria, 2022, pp. 1-6. doi: 10.1109/IPTA54936.2022.9784151
- **I. Tabus and E. Palma, "Lossless archiving view arrays from plenoptic cameras when camera sensor images are available":** 2021 International Symposium on Signals, Circuits and Systems (ISSCS), Iasi, Romania, 2021, pp. 1-4. doi: 10.1109/ISSCS52333.2021.9497451
- **I. Tabus and E. Palma, "Lossless Compression of Plenoptic Camera Sensor Images":** IEEE Access, vol. 9, pp. 31092-31103, 2021. doi: 10.1109/ACCESS.2021.3059921
- **E. Palma, F. Battisti, M. Carli, P. Astola and I. Tabus, "Subjective Quality Evaluation of Light Field Data Under Coding Distortions" :** 2020 28th European Signal Processing Conference (EUSIPCO), Amsterdam, Netherlands, 2021, pp. 526-530. doi: 10.23919/Eusipco47968.2020.9287564

## NETWORKS AND MEMBERSHIPS

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- PhD Student in the European Newtork (H2020) ImmerSAFE - Tampere, Finland
- IEEE Signal Processing Society Member
- Attendee at the 84th JPEG Meeting