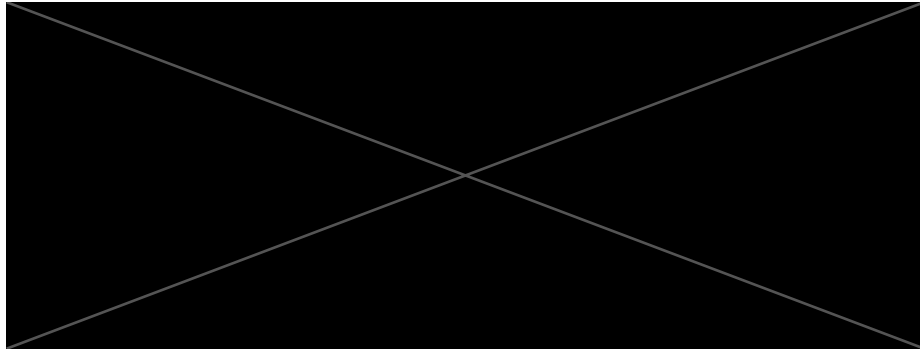


CURRICULUM VITAE

PERSONAL INFORMATION



Name **ENRICO LAMANNA**



WORK EXPERIENCE

Current position:

Company **Huawei Technologies Italia**

Position Jan 2026 – current **Key Account Manager**

- Customer Relationship Management
- Project coordination
- Contract negotiation

Jan. 2024 – Jun. 2026 **PV and BESS Technical Director**

- Coordination of the Technical Team
- Engagement with **CEI** in TC 82 (PV), TC 316 (Grid Codes) and TC 120 (ESS) for **standardization**
- Collaboration with associations **Italia Solare** and **ANIE**
- Engagement of Technical Advisors and Developers
- Collaborations with Universities (**PoliMi**, Tor Vergata) for **Whitepapers and testing**
- Interface with **Terna ESI** (Energy System Innovation) for **Grid Forming** testing and standardization in the HV Grid Code
- Dissemination and speeches (KEY, Renmad, SolarItaly)
- Static **Loadflow Analysis** for HV projects

Sep. 2021 – Dec. 2023 **Product and Solution Manager**

- **Responsible of Solution design, price protection, product development in Italy**

Main contributions in the Utility Scale segment:

- **Solution design for the first HV project in Italy** with String Inverters (36 MW)
- **Breakthrough of BESS** Solution in Italy (6 MW/8MWh Fast Reserve frequency regulation project)

May 2020 – Aug. 2021 – **Service Manager**

- **1st Technical response** in Italy. Highlighted achievements:
 - Dedicated after sales support for key customers
 - Dedicated technical support for distributors
 - Roadshow events
 - Workshops/webinars
 - Coordination of pilot sites for residential product launch
- In the **High Touch Customer (HTC) program** I have been the service technical response and commissioning support for the following Utility Scale Projects:
 - **ERG** Calabria Solar 24 MW commissioning support
 - **Moncada** Muxaro 6 MW commissioning support
 - **Ardian** Nardò 10 MW commissioning support

EDUCATION

Current qualification: **PhD in Electronic Engineering**

Background

• Date (from – to)	November 2016 – April 2020
• Name and type of Institution	University of Rome “Tor Vergata” – CHOSE (Center for Hybrid and Organic Solar Energy) with Prof. Aldo Di Carlo;
• Main subjects and skills learnt	Ph.D. in Electronic Engineering, research, engineering, optoelectronics, energy, new generation photovoltaics, perovskite, tandem, solar cell fabrication and characterization, scientific writing, project management, oral and visual presentation of results; semiconductor physics
• Qualification	PhD in Electronic Engineering with honours Thesis title “Perovskite Solar Cells and Their Application in Tandem Devices with Crystalline Silicon” Collaboration with ENEA “Casaccia” Research Center (Mario Tucci, PhD) Collaboration with ENEA “Portici” Research Center (Paola Delli Veneri, PhD)

• Date (from – to) • Name and type of Institution • Main subjects and skills learnt	March 2019 – September 2019 Visiting PhD student at University of Oxford – Department of Condensed Matter Physics (with Prof. Henry J. Snaith) Physics, optoelectronics, energy, new generation photovoltaics, perovskite, nickel oxide;
• Date (from – to) • Name and type of Institution • Main subjects and skills learnt • Qualification	From Academic Year 2013/2014 to A.Y. 2014/2015; University of Rome “Tor Vergata” Electronics, Engineering, photovoltaics, energy; Masters Degree (M.Sc.) in “Electronic Engineering” with grade 110/110 cum laude (honours) Experimental thesis at C.H.O.S.E. (Center for Hybrid and Organic Solar Energy) in collaboration with ENEA. Thesis title: “Perovskite/silicon tandem solar cells”
• Date (from – to) • Name and type of Institution • Main subjects and skills learnt • Qualification	From A.Y. 2010/2011 to A.Y. 2012/2013; University of Rome “Tor Vergata”; Industrial Engineering, electronics, international course Bachelor degree (B.Sc.) in “Engineering Sciences” with grade 110/110 cum laude (honours)
• Further Education Details (honours) at	High school graduation in a “Liceo scientifico” scoring 100/100 cum laude “Istituto Asisium” (2009/2010) GCSE (General Certificates of Secondary Education) in English, Spanish (top 5 score in the UK), Physics, Chemistry, Biology, Mathematics, Statistics, Resistant Materials and History at “Windsor School” (Rheindahlen, Monchengladbach, Germany) 2005-2007

PUBLICATIONS ON INTERNATIONAL SCIENTIFIC JOURNALS

I took part to 14 publications, among which:

- **E. LAMANNA**, F. MATTEOCCHI, E. CALABRO', L. SERENELLI, E. SALZA, L. MARTINI, F. MENCHINI, M. IZZI, A. AGRESTI, S. PESCE TELLI, S. BELLANI, A. E. DEL RÍO CASTILLO, F. BONACCORSO, M. TUCCI, A. DI CARLO (2020) Mechanically stacked, two-terminal graphene-based perovskite/silicon tandem solar cell with over 26% efficiency. JOULE, 2020, <https://doi.org/10.1016/j.joule.2020.01.015>
- F. MATTEOCCHI, L. CINA', **E. LAMANNA**, S. CACOVICH, G. DIVITINI, P. A. MIDGLEY, C. DUCATI, A. DI CARLO (2016). Encapsulation for long-term stability enhancement of perovskite solar cells. NANO ENERGY, Vol. 30, December 2016, Pages 162-172, ISSN: 2211-2855 doi: <https://doi.org/10.1016/j.nanoen.2016.09.041>
- A.D. FURASOVA, E.CALABRO', **E.LAMANNA**, E.Y. TIGUNTSEVA, E.USHAKOVA, E.V. UBYIVOVK, V.Y. MIKHAILOVSKII, A.A. ZAKHIDOV, S.V. MAKAROV, A. DI CARLO (2018) Resonant Silicon Nanoparticles for Enhanced Light Harvesting in Halide Perovskite Solar Cells. ADVANCED OPTICAL MATERIALS, Vol 0, ISSN: 2195-1071 doi: <https://doi.org/10.1002/adom.201800576>
- J. BARICHELLO, L. VESCE, F. MATTEOCCHI, **E. LAMANNA**, A. DI CARLO (2019) The effect of water in Carbon-Perovskite Solar Cells with optimized alumina spacer. SOLAR ENERGY MATERIALS AND SOLAR CELLS, Vol 197, 1 August 2019, Pages 76-83, ISSN 0927-0248 doi: <https://doi.org/10.1016/j.solmat.2019.03.029>
- A. FURASOVA, P. VOROSHILOV, **E. LAMANNA**, A. MOZHAROV, A. TSYPKIN, I. MUKHIN, D. BARETTIN, K. LADUTENKO, A. ZAKHIDOV, A. DI CARLO, S. MAKAROV (2019) Engineering the Charge Transport Properties of Resonant Silicon Nanoparticles in Perovskite Solar Cells. ENERGY TECHNOLOGY, Accepted, ISSN: 2194-4296 doi: <https://doi.org/10.1002/ente.201900877>
- N. YAGHOUBI NIA, **E. LAMANNA**, M. ZENDEHEL ET AL. Doping Strategy for Efficient and Stable Triple Cation Hybrid Perovskite Solar Cells and Module Based on Poly(3-Hexylthiophene)[P3HT] Hole Transport Layer. SMALL, Just Accepted, ISSN: 1613-6829 doi: <https://doi.org/10.1002/smll.201904399>
- D. DI GIROLAMO, F. MATTEOCCHI, **E. LAMANNA**, E. CALABRO', A. DI CARLO, D. DINI (2018) Inverted perovskite solar cells with transparent hole transporting layer based on semiconducting nickel oxide. AIP CONFERENCE PROCEEDINGS 1990, 020011 doi: <https://doi.org/10.1063/1.5047765>
- N. YAGHOUBI NIA, M. ZENDEHDEL, M. ABDI-JALEBIC, L. A. CASTRIOTTA, F. U. KOSASIH, **E. LAMANNA**, M. M. ABOLHASANIE, Z. ZHENG, Z. ANDAJI-GARMAROU DI, K. ASADIE, G. DIVITINI, C. DUCATI, R. H. FRIEND, A. DI CARLO (2020) Beyond 17% stable perovskite solar module via polaron arrangement of tuned polymeric hole transport layer, NANO ENERGY, <https://doi.org/10.1016/j.nanoen.2020.105685>

SKILLS

MOTHER-TONGUE **ITALIAN**

OTHER
LANGUAGES

ENGLISH

- Reading **Excellent**
- Writing **Excellent**
- Speaking **Excellent**

SPANISH

- Reading **Good**
- Writing **Good**
- Speaking **Good**

SOCIAL AND
RELATIONAL SKILLS

Ability **to work with others** in a multi-cultural context, respecting diversity, opinions and activities of others.
Ability to adapt the tone and style of the language according to the context.
Open to dialogue and information sharing.
Strong communication skills in presentations.
Listening to others.

ORGANIZATION
SKILLS

Identifying the objective and all the possible strategies for its achievement, efficient use of time, risk assessment and adaptation to the context.
Good leadership skills and ability to work under pressure.
Project management.
Responsibility.

TECHNICAL SKILLS

- IT and Electronics: **Python, LabView, Matlab.**
- **Photovoltaics and optoelectronics**
- **PVSyst, DigSILENT**
- **Characterization of PV devices** (electrical, chemical and physical)
- **Solution processing equipment** (spin-coating, blade coating, glove-box, slot-die etc.)
- **High vacuum and UHV deposition techniques** (evaporation, sputtering, Atomic Layer Deposition etc.)
- **Project management**
- Windows advanced user
- Office advanced user

LICENCES

Driving licence