

TUTORIALS ON TELECOMMUNICATIONS

get access to the potential of the telecommunications world with just one click



An opportunity, which allows people to discover and learn more about the most representative topics of the research conducted by RESTART, through weekly online meetings, held by experts, designed to bring up young people and stimulate all those who want to learn.

MARCH

from 5.30 to 7 pm

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|------------|--------------------------------------|--|
| 11/03/2025 | Giovanni Emanuele Corazza | <i>Cyber-Creativity: How Humans and Machines Co-create</i> |
| 17/03/2025 | Renato Lo Cigno | <i>Communications in Autonomous Driving</i> |
| 21/03/2025 | Antonio De Maio
Massimo Rosamilia | <i>Waveform Design for Coexistence between Radar and Communication Systems: From Theory to Experimental Validation</i> |
| 27/03/2025 | Gianluca Davoli | <i>From Automation to Orchestration: The New Frontiers of Network Softwarization (part 1)</i> |
| 31/03/2025 | Domenico Scotece | <i>From Automation to Orchestration: The New Frontiers of Network Softwarization (part 2)</i> |

APRIL

from 5.30 to 7 pm

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|------------|-----------------------------------|---|
| 03/04/2025 | Fabrizio Granelli | <i>Network Digital Twins in 6G and future networks</i> |
| 07/04/2025 | Marco Baldi | <i>Transition to post-quantum cryptography: state of the art and open challenges</i> |
| 10/04/2025 | Andrea Zanella | <i>Smart Cities: ideas, ideals and future visions</i> |
| 14/04/2025 | Francesca Meneghello | <i>MIMO in IEEE 802.11 Wi-Fi networks</i> |
| 17/04/2025 | Domenico Scotece | <i>Toward Next-Generation Networks - 5G and O-RAN implementations</i> |
| 29/04/2025 | Enrico Boffetti
Ilaria Marasco | <i>Design and implementation of an integrated experimental setup for performance evaluation of UAV-aided RIS in indoor environments</i> |



MAY

from 5.30 to 7 pm

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| 05/05/2025 L. Alfredo Grieco | <i>The Color of Internet</i> |
| 08/05/2025 Gianni Antichi | <i>When Performance Matters in Packet-Processing Systems</i> |
| 12/05/2025 Francesco Linsalata | <i>Driving the Future: Integrating Connected and Autonomous Vehicles into the 6G Era</i> |
| 15/05/2025 Davide Dardari | <i>Over-the-air electromagnetic signal processing for next-generation wireless networks</i> |
| 19/05/2025 Alessandro Vanelli-Coralli | <i>The future of global connectivity: Non-Terrestrial Networks</i> |
| 22/05/2025 Stefania Colonnese
Francesca Cuomo | <i>Alice in the IoT-land: A Journey Through a IoT Connected World</i> |
| 27/05/2025 Francesco Matera
Marina Settembre | <i>Artificial Intelligence in TLC networks: from 5G to 6G</i> |
| 29/05/2025 Simona Valbonesi | <i>Characterisation of millimetre wave field in human body</i> |

JUNE

from 5.30 to 7 pm

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| 03/06/2025 Valeria Petrini | <i>5G Radio spectrum regulation</i> |
| 05/06/2025 Marco Giordani | <i>A Deep Dive into the 3GPP 5G NR Standard Specifications</i> |
| 10/06/2025 Memedhe Ibrahim | <i>Application of Data-Centric Machine Learning in Communication Networks</i> |
| 12/06/2025 Paolo Casari | <i>Underwater communication channels, security, and localization - A tale of friend and foes</i> |
| 17/06/2025 Antonio Iodice
Daniele Riccio | <i>Planning radio coverage for future telecommunications</i> |
| 19/06/2025 Francesca Meneghello
Jacopo Pegoraro | <i>How to use wireless networks to sense the environment</i> |
| 24/06/2025 Luciano Lucrezia | <i>SD-WAN Model: Seamless and Symmetric Rerouting with Extended BGP</i> |
| 26/06/2025 Olga Chukhno
Francesco Malandrino | <i>A Thermal-Aware Approach to Programmable Networking: XR Use Cases</i> |

JULY

from 5.30 to 7 pm

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| 03/07/2025 Piero Castoldi | <i>Advancing Optical Networks leveraging SDN, Telemetry and ML/AI</i> |
| 08/07/2025 Francisco J. Garcia
Mattia Lecci | <i>6G DevOps: Facilitating AI and Yielding Systematic Insights in 6G Evolution</i> |
| 22/07/2025 Laura Galluccio
Anna Vizziello | <i>Next generation Intra-body Technologies for Biomedical Sensor Networks</i> |