6G Transatlantic Research & Innovation Workshop

A Two-Day Workshop on the Next Generation of Wireless Networks

A collaboration between the governments, industry, and academia of Germany and the United States

815 Columbus Avenue, Boston, MA | EXP, 6th & 8th Floor | October 13–14, 2026

Hosted at Northeastern University's Institute for Intelligent Networked Systems (INSI), Boston • insi.northeastern.edu

Renaissance Park Garage • 835 Columbus Ave., Boston, MA

Program Agenda

Day 1 — Tuesday, October 13, 2026, 6th floor - Room 610, EXP

TIME	SESSION
1:00 – 3:00 PM	**Research Exchange - Faculty Presentations on 6G** *Presentations from faculty in Germany and the U.S.* *Introduction: Frank Fitzek & Tommaso Melodia* • ***Invited Speaker:*** *Pit Hofmann — **Topic:** 6G and Beyond: Back to the Roots with Analog and Biological* • ***Invited Speaker:*** *Hessam Mahdavifar — **Topic:** Sensing subspace codes: A new subspace coding approach to spatial sensing and sparse array design* • ***Invited Speaker:*** *Riccardo Bassoli — **Topic:** Quantum technologies for 6G: challenges and opportunities* • ***Invited Speaker:*** *Pedram Johari — **Topic:** Digital Twins for RAN*
3:00 – 5:00 PM	**Lab Tours and Demos by INSI Researchers and Faculty** ***Bench Area*** ● ***xCHEM:*** *Pedram Johari & Ali Saeizadeh* ***Colosseum Room*** ● ***MIRAGE & AIRMap2:*** *Pedram Johari, Ali Saeizadeh & Avaneeth Anil* ● ***AI-RAN Orchestration:*** *Niloofar Mohamadi* ***7th Floor*** ● ***GENESIS:*** *Tamerlan Aghayev* ● ***AgentRAN:*** *Reshma Prasad* ● ***dApps / E3 for OAI & OCUDU:*** *Angelo Feraudo & Ravis Shirkhani* ● ***Massive MIMO:*** *Gabriele Gemmi (remote) & Pedram Johari* ● ***Scheduling – Mac-Gyver:*** *Reshma Prasad* ● ***The Tracking System:*** *Ahmad Masihi* ● ***Communication-Aware Model Distributed Inference via Latent Representation Compression****: Miquel Sirera Perelló*
5:00 – 6:00 PM	**Open Research Collaboration Discussions** *Light refreshments will be served*

Day 2 — Wednesday, October 14, 2026, 8th floor - Room 804, EXP

Please bring a photo ID to check in at the security desk by the first-floor elevators. The 8th floor has its own elevator that runs only between the 1st and 8th floors, so security will direct you to it. To reach any other floor in the building, you'll need to return to the first floor first. The registration table will be on the 8th floor of EXP.

TIME	SESSION
8:30 – 9:00 AM	**Registration & Breakfast**
9:00 – 9:45 AM	**Welcome & Opening Remarks** *Tommaso Melodia, Director, Institute for the Intelligent Networked Systems, Northeastern University • Frank Fitzek, Professor Deutsche Telekom Chair for Communication Networks, TU Dresden*
9:45 – 10:30 AM	**Keynote — Germany** **Wireless Wide Area 6G Research Infrastructure Run by TU Munich and TU Dresden** *Speaker: Wolfgang Kellerer • Introduction: Frank Fitzek* **A Perspective on AI-Native Wireless Networks: From Joint Computing and Networking to Agentic AI** *Speaker: Aydin Sezgin • Introduction: Frank Fitzek*
10:30 – 10:45 AM	**Coffee Break**
10:45 – 11:15 AM	**Keynote — Germany** **The true meaning of 'AI-Native Network'** *Speaker: Heiko Lehmann • Introduction: Tommaso Melodia*
11:15 – 11:45 AM	**Keynote — Germany** **Open Wireless Networking for Physical AI: Multi-Link Resilience, Proactive Real-Time Scheduling, and mmWave Smart Environments** *Speaker: Christian Wietfeld • Introduction: Tommaso Melodia*
11:45 AM – 1:00 PM	**Networking Lunch**
1:00 – 1:30 PM	**Invited Talk: Terahertz Communications: From the Near Field to Space (and the Sea)** *Speaker: Josep Jornet*
1:30 – 2:15 PM	**Keynote — United States** **Are we making errors in error-correction decoding?** *Speaker: Muriel Médard • Introduction: Frank Fitzek*
2:15 – 2:30 PM	**Coffee Break**
2:30 – 3:00 PM	**Fireside Chat: Entrepreneurship & Startups in AI-native 6G** *Speakers: Florian Sägebrecht, Ted Werth, Salvatore D'Oro, Peter Kappelt*
3:00 – 3:30 PM	**Invited Talk: Reliable and Efficient Edge AI Agents** *Speaker: Osvaldo Simeone*
3:30 – 4:00 PM	**Invited Talk: Machine Learning on the Edge** *Speaker: Stratis Ioannidis*

4:00 – 4:30 PM	**Invited Talk: Spatial AI: A Killer Application for 6G?** *Speaker: Mallesham Dasari*
4:30 – 4:45 PM	**Invited Talk: Integrated Sensing, Communication and Learning in Next-Generation Networks** *Speaker: Francesco Restuccia*
4:45 – 6:00 PM	**Lab Tours and Demos by INSI Researchers and Faculty** ***7th Floor*** ● ***SpectraNet:*** *Chris Wozny, Angelo Feraudo, Noemi Giustini, & Filippo Olimpieri* ● ***GENESIS:*** *Tamerlan Aghayev* ● ***MIRAGE & AIRMap2:*** *Pedram Johari, Ali Saeizadeh, & Avaneeth Anil* ● ***AgentRAN:*** *Reshma Prasad* ● ***dApps / E3 for OAI & OCUDU:*** *Angelo Feraudo & Ravis Shirkhani* ● ***Near Field Wavefront engineering****:* ***744A*** ● ***RoboTwin: Remote Human-Robot Teleoperation****: Barath Balamurugan & Andrei Timoshuk*
6:00 – 8:00 PM	**Dinner**

Wi-Fi Access

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Day	Conference Code
Day 1: Tuesday, October 13, 2026	conf636911
Day 2: Wednesday, October 14, 2026	conf957022