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TUD Dresden University of Technology and Northeastern University Boston announce Partnership on 6G

TUD Dresden University of Technology and Northeastern University have announced a partnership in 6G research. Prof. Tommaso Melodia (Northeastern) and Prof. Frank H.P. Fitzek (TUD) signed a Memorandum of Understanding (MoU) on 27 February at the GSMA Mobile World Congress (MWC) 2024, focused on establishing a shared roadmap and developing joint research activities on 6G, the next generation of wireless networks, and the tactile Internet.

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The memorandum of understanding builds on both institutions' commitment to advancing the field of wireless communications. The partnership will leverage the combined expertise and resources in the field of wireless networks from the Centre for Tactile Internet with Human-in-the-Loop (CeTI) at TUD and the Institute for the Wireless Internet of Things (WIoT) at Northeastern, which includes the Open6G initiative on open and programmable networks, and the Platforms for Advanced Wireless Research (PAWR) program.

Tommaso Melodia, Director of WIoT at Northeastern University, said, "We are excited to combine our leading expertise with TUD to advance the next-generation wireless ecosystem. This partnership will establish a unique program for innovation and experimentation, which supports the development of open, programmable, and AI-integrated networks in collaboration with industry, government agencies, and academic institutions."

Professor Frank H.P. Fitzek added, "This partnership with Northeastern University underscores our shared vision for the future of telecommunications. By leveraging our joint expertise and resources, we are embarking on a journey to explore uncharted territories of the digital world, promising to deliver technologies that will empower societies globally."

The goal of the memorandum of understanding is to foster connections and conduct joint research activities on 6G at TUD and Northeastern. The collaboration aims to create synergy that will accelerate research and educational efforts in 6G wireless systems. By exchanging researchers and combining world-leading testbeds, Northeastern and TUD aim to drive innovation in wireless networks and next-generation applications that require seamless and ubiquitous connectivity with ultra-low latency.

TUD Dresden University of Technology, as a University of Excellence, is one of the leading and most dynamic research institutions in Germany. With around 8,300 members of staff and around 29,000 students in 17 Faculties, it is one of Europe's largest technically-oriented universities. Founded in 1828, today it is a globally oriented, regionally anchored top university, developing innovative solutions for the world's most pressing issues. In research and academic

programs, the university unites the natural and engineering sciences with the humanities, social sciences and medicine. This wide range of disciplines is an outstanding feature that facilitates interdisciplinarity and transfer of science to society.
TUD is at the forefront of 6G research, housing the excellence cluster CeTI and the 6G-life project, dedicated to advancing the Tactile Internet and future wireless systems.

About the Northeastern University Institute for the Wireless Internet of Things (WIoT): WIoT is home to world-leading expertise, facilities, and technologies dedicated to making wireless communications exponentially faster, more energy-efficient, and more secure.

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