

Workshop on October 7, 2026

Fraunhofer HHI, Science Tech Space, Salzufer 15/16, 10587 Berlin

Time	Topic/Title (preliminary)	Moderator/Presenter
08h30-9h00	Registration	
09h00-09h35	Welcome and Introduction	Moderator: Slawomir Stanczak (HHI)
5 min	Welcome Address	Dirk Ziemann (BMFTR)
10 min	Strategic Expectations and Success Criteria for the Transfer Hubs	Kai Börner (VDI / VDE)
15 min	xG-RIC Transfer Hub: Objectives, Activities and Progress	Slawomir Stanczak (HHI)
09h30-10h15	Medicine Application Domain	Moderator: Zoran Utkovski (HHI)
15 min	xG-RIC in Medicine: Activities and Future Plans	Johannes Dommel (HHI)
15 min	6G for Medicine: From Connectivity to Clinical Transformation	Gerhard Hindricks (Charité)
15 min	Quantum Sensing for Weak Fields with Applications in Magnetocardiographic Imaging	Till Althoff (Charite), Henrike Wissing (HHI)
10h15-11h00	Mobility Application Domain	Moderator: Ehsan Tohidi (HHI)
15 min	xG-RIC in Mobility: NTN and Beyond	Andrea Munari (DLR)
15 min	Adaptive RAN for Mobility	Heiko Lehmann (Deutsche Telekom)
15 min	MOXZs Tunnel Radio System: An example of how to build sovereign wireless solutions for critical infrastructure	Philipp Walk (MOXZ)
11h00- 11h30	Coffee Break & Group Picture	
11h30-12h15	Panel Discussion: <i>“From Research Excellence to Market Impact”</i> <i>Dirk Ziemann (BMFTR), Lorenzo Miretti (Ericsson), Mariam Kaynia (Eutelsat Group), Nikolaus Fichtner (Infineon), Bernhard Kloiber (Siemens)</i>	Moderator: Slawomir Stanczak (HHI)
12h15- 12h45	Startup pitches	xG-RIC-Incubator Startups
12h45-14h00	Lunch & Demonstrators	Showroom
14h00-15h45	Parallel Technology Sessions	Moderators
	Microelectronics and Hardware Platforms	Michael Peter (HHI), Markus Petri (IHP)
	MIMO + ISAC and Radio Technologies	Renato L. G. Cavalcante, Kenan Turbic (HHI)
	NTN + Edge Intelligence and AI-Native Networks	Zoran Utkovski (HHI), Andrea Munari (DLR)
15h45-16h00	Coffee Break	ALL
16h00-16h45	Panel Discussion: <i>“Fostering Berlin Ecosystem in 6G & related Areas”.</i> <i>Martin Kasparick (xG-ALOE / airpuls), Andreas Eisenblätter (atesio), Felix Willems (xG-Incubator), Slawomir Stanczak (HHI), Frank Wernecke (DroneMasters)</i>	Moderator: Amira Gutmann-Trieb (Berlin Partner)
16h45-17h00	Closing Remarks	Slawomir Stanczak (HHI)
17h00-18h00	Socializing	ALL

Parallel Technology Sessions

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14h00-15h45

Parallel Session “Microelectronics and Hardware Platforms (TN & NTN)”	Moderator/Presenter
“Microelectronics and Hardware Platforms (TN & NTN) – Motivation and Session Introduction”	Michael Peter (HHI), Markus Petri (IHP)
“FR3 for 6G and Beyond: Reconfigurable Intelligent Surfaces and Magnetoelectric Dipole Antenna Innovations”	Mehmet Yurtoglu (HHI)
“Towards DAC-based Broadband Transmitter for FR3 band”	Ahmed Elsayed (IHP)
“Infineon's Approach towards 6G”	Nicolaus Fichtner (Infineon)
“Phased Arrays for Mass Market User Terminals in NTN?”	Matteo Berioli (Augusta Space)
“A 2×2 10GS/s TTD BF Receiver Utilizing Charge-Based Summation with 10.5GHz Bandwidth and SNDR/SFDR with 49.5dB/57.5dBc in 22nm CMOS”	Deduo Qiang (TU Berlin)

Parallel Session “MIMO, ISAC and Radio Technologies”	Moderator/Presenter
“MIMO, ISAC and Radio Technologies – Motivation and Session Introduction”	Kenan Turbic, Renato Cavalcante (HHI)
“Predictive mobility and multi-connectivity in 6G”	Henning Sanneck (Apple)
“MIMO in 6G standardization”	Lorenzo Miretti (Ericsson)
“ISAC-based drone detection”	Marcus Henninger (Nokia Bell Labs Stuttgart)
“Information Theoretic Fundamental Limits of ISAC”	Giuseppe Caire (TU Berlin)

Parallel Session “Edge Intelligence and AI-Native Networks”	Moderator/Presenter
“Edge Intelligence and AI-Native Networks – Motivation and Session Introduction”	Zoran Utkovski (HHI), Andrea Munari (DLR)
“AI-RAN Platform Overview”	Marcus Henninger (NOKIA Bell Labs Stuttgart)
“Wireless Research and the Speed of Inference”	Alexander Keller (NVIDIA)
“On Semantic Communications for Edge-AI-enabled 6G Connected Robotics”	Dejan Vukobratovic (University of Novi Sad)
“Efficient SNN Processing Platform for Edge Applications”	Milos Krstic (IHP)
“All-optical links for low latency data center networks”	Victor Funk (Linque)