

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: "From Research Excellence to Market Impact" <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: "Fostering Berlin Ecosystem in 6G & related Areas". <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 2x2 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)