The demand for wireless communications is growing exponentially, leading to a 'spectrum crunch'. The optical and THz regions of the spectrum can provide orders of magnitude more capacity than is currently available, for applications such as virtual reality and wireless data centres.

In this event we will showcase technologies from the WORTECS project and other projects in the H2020 Beyond 5G cluster. This will include demonstrations, posters, and presentations. Attendees will see online presentations and demonstrations of showcasing the latest advances and interact with other experts in the field (https://www.wortecs.com/).

Program:

- Morning
  - 10H30: Network Evolution towards 2025, M. Eric Hardouin (Orange)
  - 10H45: WORTECS project introduction and Proof of Concepts, M. Olivier Bouchet (Orange)
  - 11H00: 100Gbps wireless transmission at 240GHz, Dr.-Ing. Vladica Sark(IHP)
  - 11H20: Video conversion and compression for Virtual Reality, M. Guillaume Vercasson (B<>COM)
  - 11H40: Heterogeneous Wireless Networks, Dr.-Ing. Marcin Brzozowski (IHP)
  - 12H00: Break
- Afternoon
  - 14H30: WORTECS Software Tool (SaaS), M. Victor Guerra (University of Las Palmas)
  - 14H50: Hybrid Gbps 60GHz/OWC link, Rodolphe Legouable (Orange)
  - 15H10: Terabit Fiber Wireless (FiWi) links, Dr Ravinder Singh (University of Oxford)
  - 15H30: Optical Wireless Communication (OWC), M. Bastien Bechadergue (Oledcomm)
  - 15H50: OWC standards development and worldwide landscape –Dr Volker Jungnickel (HHI) and Prof. Dominic O'Brien (University of Oxford)
  - 16H10: Close

Virtual Demonstrations:

No	Title	No	
1	100Gbps at 240GHz (IHP)	**5**	Video conversion and VR (BCM/ORA)
2	WORTECS Software Tool (ULP)	**6**	Fiber Wireless Fiber (FWF) (OXF/BCOM)
3	Optical Wireless Communication (OLD/PLF/BCM)	**7**	Hybrid Gbps 60GHz/OWC link (BCM/ORA)
4	Fast Heterogeneous Network management (IHP)		

Project Website: https://wortecs.eurestools.eu/ **Online Event Website:** https://vimeo.com/458900573
Password: WOR_15/10_TECS

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