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Photonic-assisted Ultrafast THz Wireless Access

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Abstract— THz technology has been considered feasible for ultrafast wireless data communication, to meet the increasing demand on next-generation fast wireless access, e.g., huge data file transferring and fast mobile data stream access. This talk reviews recent progress in high-speed THz wireless communications enabled by photonics technologies, as well as the needed technical breakthroughs for achieving ultrafast data rates beyond 100 Gbit/s.