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Sommario/riassunto	Annotation The scope of HONET covers various layers and all spans of communication networks, cyber security, cloud computing, e applications and the technologies spanning and enabling our social networks Global ICT networks engines for the high speed internet by utilizing various photonic and RF wireless networks, spanning millions of fiber optic links over the vast landscape and numerous satellites hovering over the planet These are the workhorse for Information and Communication Technologies (ICT) from the architectural, security, signal transport and application perspectives Photonic, Optoelectronic, and Wireless modes of communication complement each other and enable various communication technologies that are now the life lines of our world These are the disciplines that have emerged from the fundamental electromagnetic phenomena and light matter interaction and enable ICT, green energy production and distribution and numerous engineering and educational applications.