

From Ubiquitous Sensor Network (USN) to Heart to Heart (He2He) Communications

The presentation first considers telecommunications history. The period of intensive development for different telecommunication technologies is analyzed. The Ubiquitous Sensor Networks (USN) implementation as the Internet of Things (IoT) technology base is also analyzed. According to this latter analysis, the IoT growth forecast up to 2030 is made. Then the Internet of NanoThings concept is considered for electromagnetic and molecular nanonetworks and pheromones communications is examined.

Direct communication between humans is considered as the future telecommunication individualization. Love is the chemical process and Heart-to-Heart (He2He) communications are proposed on the pheromone based physical layer. The future terminal structure for He2He communications is proposed.