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Topics of Interest

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- Advanced equalization, channel estimation, signal detection, and synchronization techniques
- Novel architectures for signal demodulation and decoding
- Signal processing techniques for commercial/standardized and other emerging systems
- Signal processing for millimeter and Tera-Hz communication systems

Wireless Networks
- 5G and beyond
- LTE, WiMAX, WMAN, and other emerging broadband wireless networks
- WLAN, WPAN, and other home/personal networking technologies
- Underwater wireless networks
- Vehicular wireless networks
- mmWave wireless networks
- Free space optical networks

Wireless Communications
- MIMO, multi-user MIMO, and massive MIMO
- OFDM and multi-carrier systems
- Multiple access techniques and air interfaces (CDMA, TDMA, FDMA, OFDMA)
- Millimeter wave and Terahertz communications
- Maritime, space and underwater communications
- Modulation, coding, and diversity techniques
- Performance analysis of wireless communication systems

Emerging Technologies, Applications, and Services
- Context and location-aware wireless services and applications
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