The Renaissance of Wireless Communications in the Massively Broadband ® Era

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Conclusion

• In the massively broadband era, wireless will obviate print, magnetic media and wired connections, in revolutionary ways!

• It took 30 years to go one decade in wireless carrier frequency (450 MHz to 5.8 GHz), yet we will advance another decade in the next year (5.8 to 60 GHz). By 2020, we will have devices well above 100 GHz and 20 Gbps in 5G and 6G cellular networks.

• Millimeter Wave Wireless Communications offers a rich research field for low power electronics, integrated antennas, space-time processing, networking, and applications – a new frontier.

• The Renaissance of wireless is before us. Massive bandwidths and low power electronics will bring wireless communications into new areas never before imagined, including medicine and the hospital of the future.
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