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Networks Supporting Future Applications

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Title: Network of the Future: Some Challenges Ahead

Abstract: This presentation is a radio and access-centric view of the challenges for the future networks. The talk will cover the multi band radio and device RF performance dilemma. Later in the talk the research challenge is presented.

Bio: Siavash Alamouti received B.A.Sc and the M.A.Sc. degrees in electrical engineering from the University of British Columbia, Vancouver, Canada, in 1989 and 1991, respectively. In March 2010, he joined Vodafone to lead Group R&D. Before Vodafone he was an Intel Fellow in the Mobility Group and chief technology officer of the Mobile Wireless Group, responsible for all wireless standards and the technology roadmap. He was also known as the champion of WiMAX and WiGig technologies at Intel. Prior to joining Intel in 2004, he was the CTO of a start-up called Vivato (a smart antenna WiFi company), and held various positions at Cadence Design Systems, AT&T Wireless Services and at MPR Teltech Ltd. He holds over 20 patents in the areas of wireless communication applications and wireless systems design and is most well-known for the invention of the Alamouti Code. His well-known paper was selected as one of the 50 most influential papers in the 50 year history of IEEE Communications Society in 2001.