

LOOKING AHEAD TO 5G

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The continuing growth in demand from subscribers for better mobile broadband experiences is encouraging the industry to look ahead at how networks can be readied to meet future extreme capacity and performance demands. Nokia, along with other industry partners, believes that communications beyond 2020 will involve a combination of existing and evolving systems, like LTE-Advanced and Wi-Fi, coupled with new, revolutionary technologies designed to meet new requirements, such as virtually zero latency to support tactile Internet, machine control or augmented reality. 5G will be the set of technical components and systems needed to handle these requirements and overcome the limits of current systems.

Reza Holakouei received his Ph.D. degree from department of Telecommunications, University of Porto, Portugal in 2012. Meanwhile he was with Mobile Network group (MobNET) at institute of Telecommunication (IT) as a researcher where he got involved in some EU-funded projects such as FuTON and CoDiV. After PhD he was with INESC Porto as a post-doctoral fellow. Since 2013 he is with Nokia as Radio Research Engineer. Dr. Holakouei has over 15 pub-

lished conference and journal papers in the areas of CoMP, interference mitigation, beam forming, radio resource allocation and context-awareness for 4G/5G systems. He is currently involved in Nokia 5G home program and EU-FUNDED METIS project which is the EU flagship 5G project with the objective of laying the foundation for 5G systems and building consensus prior to standardization.