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Samsung Joins White House Initiative for Advanced Wireless Research

Samsung to contribute expertise in 5G network architecture and mmWave radio access to help accelerate next-generation communications

Washington – July 15, 2016 – Samsung Electronics America (SEA), Inc. today announced its participation as a board member of the Advanced Wireless Research Initiative (AWRI), a public-private partnership spearheaded by the White House to accelerate the development of next generation 5G wireless networks in the United States. In conjunction with the initiative's member companies and more than 400 university researchers, Samsung will contribute its expertise in wireless network architecture and mmWave radio access technologies to help lead in the research and testing of next generation mobile networks.

"The White House initiative provides an ideal platform for Samsung to help create a blueprint for the future of communications network development through collaboration with a diverse range of experts," said Charlie Zhang, Vice President, Samsung Research America. "Supporting U.S. wireless leadership and next generation networks continues to be a priority for Samsung, and we look forward to helping expedite 5G innovation to enable more people to benefit from the next level of enhanced communications."

With the AWRI, Samsung will provide guidance and assist in the development of new wireless testbeds, enabling researchers to examine and validate 5G technologies, spectrum usage paradigms, application performance and service behavior. As a board member, Samsung will also provide direction on future research initiatives.

Pioneering 5G Innovation

Samsung brings over 35 years of experience in developing innovative mobile telecommunications technologies and plays an active role in working with international standards organizations on standardizing 5G network development. The company has driven a wide range of 5G breakthroughs in the mmWave spectrum including:

- In 2013, Samsung recorded the world's first gigabit per second throughput benchmark to a distance up to 2 kilometers using next-generation prototype technologies in mmWave spectrum.
- In 2014, Samsung set a speed record at 7.5Gbps in a stationary environment and became the first to demonstrate stable and uninterrupted mobile connections at 1.2Gbps from a vehicle traveling at over 100km/h.
- In March 2016, Samsung announced the success of world's [first multi-cell handover maintaining a gigabit data transmission](#), demonstrating a vehicle-in-motion maintaining a gigabit data transmission while moving between three transmitters.
- Recently, Samsung developed [5G-ready antenna and power amplifier technologies](#) enabling smaller, more energy efficient 5G equipment and devices using 28GHz millimeter wave (mmWave) spectrum.

About Samsung Electronics America, Inc.

Headquartered in Ridgefield Park, N.J., Samsung Electronics America, Inc. (SEA), is a recognized innovative leader in consumer electronics, mobile devices and enterprise solutions. A wholly owned subsidiary of Samsung Electronics Co., Ltd., SEA is pushing beyond the limits of today's technology and providing consumers and organizations with a portfolio of groundbreaking products in appliances, home entertainment, Internet of Things, mobile computing, smartphones, virtual reality, wireless infrastructure and wearables, in addition to offering leading content and services related to mobile payments, 360-degree VR video, customer support and more. Samsung is a pioneering leader in smartphones and HDTVs in the U.S. and one of America's fastest growing home appliance brands. To discover more about Samsung, please visit www.samsung.com. For the latest Samsung news, please visit news.samsung.com/us and follow us @SamsungNewsUS.

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Samsung Electronics Co., Ltd. inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, cameras, digital appliances, printers, medical equipment, network systems, and semiconductor and LED solutions. For the latest news, please visit the Samsung Newsroom at news.samsung.com.

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