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Won Kook Choi received the Ph.D degree in physics from Yonsei University Korea in 1993. After that, he joined University of Oregon, USA and then Korea Institute of Science and Technology (KIST) as a post-doc during 1993-1996. Afterwards he has been worked as a senior and principal research scientist in KIST.

His main research fields are surface physics, low energy ion beam surface modification, and flexible optoelectronics like synthesis of ZnO-nanocarbon hybrid (CNT, C60, graphene) quantum dots and their application for LED, photovoltaics, and photoelectrochemistry, and van der Waals 2D materials-based electronics.