

Jürgen Kosel Biography

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Jürgen Kosel is Associate Professor of Electrical Engineering at the Division of Computer Electrical and Mathematical Sciences and Engineering at the King Abdullah University of Science and Technology (KAUST) since 2015. Since 2019, he also is Associate Professor of Bioengineering. He is Principle Investigator of the Sensing Magnetism and Microsystems Research Group and Head of the Advanced Micro and Nanosystems Lab. He joined KAUST as Assistant Professor of Electrical Engineering in 2009 after a postdoctoral position at the University of Stellenbosch in South Africa, which started in 2008. He has been CSO of Solutions for Nanotechnology in 2015 and 2016. He was project manager in the automotive industry at MAGNA Powertrain in Austria from 2006 to 2008.

He has been appointed as IEEE Sensors Council Distinguished Lecturer for the years 2020-2022. He has authored over 150 journal articles, over 130 conference proceedings and 10 book chapters. He filed 40 patents or patent applications. He gave more than 25 invited/plenary talks at international conferences. His papers have been highlighted and recognized by various media, were covers on 5 journals and received awards at conferences. He has served on the program committee and technical program committee of 10 conferences.

He has been Associate Editor of the IEEE Sensors Journal since 2015, and received the Best Associate Editor runner up award in 2017. He is a Senior Member of the IEEE, AdCom member of the IEEE Sensors Council and AdCom member of the IEEE Magnetics Society.

His research interests are in the area of sensors and sensor applications with focuses on microfabrication and magnetic materials.