



Iuliana P. Radu has joined in Oct 2021 TSMC's Corporate Research in Hsinchu, Taiwan where she leads activities in Exploratory Compute Devices. Prior to joining TSMC, Iuliana was with imec in Belgium where she founded the Quantum Computing and the Beyond CMOS programs in 2017 and 2013 respectively. Her activities range from transistors with low dimensional material channels such as transition metal dichalcogenides and carbon nanotubes, to beyond CMOS device concepts such as spintronic majority gates and wave computing and novel materials to quantum computing devices. Prior to establishing the Beyond CMOS program at imec in 2013, she was a Marie Curie and FWO fellow at KU Leuven and imec. Iuliana has received a Ph.D. in

Physics from MIT in 2009 where she searched for Majorana fermions in the quest to build very reliable qubits for Quantum Computing. She has been an author on over 170 papers in leading peer-reviewed journals and conferences. She has given more than 40 invited talks at international conferences and seminars where she is a frequent speaker on quantum computing and exploratory devices for classical computing.