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**Bio:**

Dr. Fredrik Gunnarsson is an expert in positioning and RAN automation at Ericsson Research. He works on research, concepts, standardization, prototyping, use case adaptation and realization aspects of RAN automation and positioning. He also holds a part-time position as adjunct professor at Linköping University, Sweden. He obtained his MSc and PhD in Electrical Engineering from Linköping University in 1996 and 2000 respectively. Dr. Gunnarsson is a senior member of IEEE.