

## Janez Trontelj, CV

Professor Janez Trontelj is a Head of the Laboratory for Microelectronics at the Faculty of Electrical Engineering, University of Ljubljana. He graduated in 1965 from the Faculty of Electrical Engineering at the University of Ljubljana and received his Master's and a Ph.D. degree in 1969 and 1971.

He is a principal author of the first scientific book on mixed circuit design, "Analog-Digital ASIC Design," published by McGraw Hill in 1989. He authored or co-authored 26 granted patents, 13 of them being international. The significant results of his research work are the development of telecommunication and automotive microcircuits and magnetic and mechanical microsystems, which are being produced in millions yearly.

He is internationally recognized as an expert on magnetic sensor technology, Terahertz sensors and systems. He designed more than a dozen ASICs with integrated smart sensor systems used for different applications. He is the recipient of many national awards and is a member of the Slovenian Academy of Engineering. He has held several invited talks at imminent conferences.