

Serbia and Montenegro IEEE MTT-S Chapter u saradnji sa Udruženjem za mikrotalasnu tehniku, tehnologije i sisteme organizuje predavanje:

Title: mm-Wave Circuits for Communication and Sensing

Abstract: In the last decade wireless communications experienced exponential growth. Number of connected devices exceed the number of people on earth and the data rates can be as high as 1GB/s. The next wave in wireless technology will be about sensing the environment. The applications are very versatile. They start with automotive industry with well known car radar and driver monitoring. Next, there are many applications in industry that are related to non-destructive material testing. From semiconductor technology and design perspective a lot of progress has been made to gain speed, reliability and design flows that guarantee first-time right mm-wave circuits. The idea behind this presentation is to show vision, approach and results achieved in Integrated Circuit Group at Eindhoven University of Technology addressing the challenges in the design of mm-wave circuits for communication and sensing.

Lecturer: Prof. Vojkan Vidojković, Eindhoven University of Technology, The Netherlands



Vojkan Vidojkovic got MSc degree in 1999 from the University of Nis in Serbia. In 2007 he got PhD degree from the Eindhoven University of Technology in the Netherlands. In the period from 1999 to 2008 he was working in Mixed-signal Microelectronics group (MsM) at the Eindhoven University of Technology, Philips Research and Sitel Semiconductor in the Netherlands. From 2008 until 2013 he was with Imec in Belgium working as principal researcher. From August 2013 until January 2020 he was working as a member of technical staff/technical lead at Intel in Germany. From January 2020 he is working as associate professor in IC design group at Eindhoven University of Technology.

Vojkan Vidojkovic has 22 years of experience in the field of RF integrated circuits/systems/architectures for wireless communications (2G, 3G, 4G, 5G, mm-wave). As recognition for scientific contribution to the solid state circuit community he served as TPC member of International Solid-State Circuit Conference (ISSCC) in 2015 and 2016. From 2020 Vojkan is a TPC member of European Solid-State Circuit Conference (ESSCIRC). In industry Vojkan Vidojkovic has proven track record of taking multiple generations of transceivers from concepts to high volume production shipped to leading phone makers.

Predavanje će biti održano online u ponedjeljak 13. 02. 2023. godine u 14:00h.

Link za pristup (nije potrebna prethodna registracija):

<https://teams.microsoft.com/j/meetup-join/19%3azX664eIX8dZAvlr-EbYJV3FARv2dY9NtCnJEiPUF-3M1%40thread.tacv2/1676025243320?context=%7b%22Tid%22%3a%22f5501f2a-b2b9-4122-8f2d-aa0f0366d907%22%2c%22Oid%22%3a%22b385d8b7-e259-4842-bd2d-3886473ac10e%22%7d>