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UNIVERSITY OF NOVI SAD, FACULTY OF TECHNICAL SCIENCES
Dept. of Power, Electronic and Telecommunication Engineering



Bio-inspired Methods for Sensing and Instrumentation

Prof. Amit Kumar Mishra, Aberystwyth University, UK

Time: Thursday, 11th July 2024, 11:00

Place: FTN-NTP (Naučno-tehnološki park), Room L01



Abstract:

In this talk, the author shall discuss some of the recent projects he has been working on where the innovations have been inspired by the biosphere. In this, he shall present a new paradigm of sensing (enabled by machine learning) called application specific instrumentation. He shall, further, discuss another bio-inspired sensing system innovated by him called Communication based Sensing. Lastly, he will present some of his recent work on brain-inspired AI architecture.

AMIT KUMAR MISHRA (Senior Member, IEEE) is an active researcher in the domain of sensor design, telecommunication, radar, applied machine learning, and frugal innovation. His current areas of research are joint communication and sensing (JCAS) and bio-inspired computer architecture. He is currently a **Professor with the Department of Computer Science, Aberystwyth University** where he is also the Director of the **National Spectrum Centre (NSC)**.