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School of Electronics Engineering

3rd IEEE International Conference on Artificial Intelligence for Internet of Things

AIoT 2024

Keynote Address:

**PHY Layer Enhancements & Resource Allocation
 in mm-wave & sub-THz for 6G IoT**



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 University of Oulu, Finland

Hybrid Mode

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Dr. Nandana Rajatheva, a Senior Member of IEEE, earned his B.Sc. degree (Hons.) in Electronics & Telecommunication Engineering from the University of Moratuwa, Sri Lanka, in 1987. He pursued his M.Sc. and Ph.D. degrees at the University of Manitoba, Canada, in 1991 and 1995, respectively, as a Canadian Commonwealth Scholar. From 1995 to 2010, Dr. Rajatheva served as a Professor at the University of Moratuwa and the Asian Institute of Technology, Thailand. Currently, he holds the position of Professor at the Centre for Wireless Communications, University of Oulu, Finland. Leading the thematic area of wireless broadband access in the 6G Flagship project, he has played a pivotal role in advancing next-generation wireless technologies. Notably, he spearheaded the AI-driven air interface design task in the Hexa-X EU Project and remains active in Hexa-X II. With over 200 published papers, Dr. Rajatheva's research focuses on the physical layer in 6G, machine learning for PHY and MAC, integrated sensing and communications and channel coding.



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