ZAJEDNIČKI SEMINAR ZCI QuantiXLie i HBD

23.07.2019., utorak, 15:00 sati (točno)

PMF-Fizički odsjek, Bijenička cesta 32, Predavaonica F-201

Kang-Hun Ahn

Department of Physics, Chungnam National University, Daejeon, R. Korea
DeepHearing, founder & CTO

Deep learning application to understand hearing mechanism

Human hearing shows a great performance. Human can recognize short-time signal like a consonant with great accuracy and can recognize speech in the presence of loud noise. Here, we introduce our understanding how these are possible and demonstrate them through our experiments. While peripheral auditory systems are mimicked by biomimetic membrane, central auditory system is realized through deep neural networks. Through efficient deep learning methods, I will demonstrate how these devices are realized as a real-time on-device AI hearing system.

contact: <ahnkanghun@gmail.com>   host: Danko Radić <dradic@phy.hr>