

The session will represent an informal discussion of the project, its progress so far, and further research opportunities both within the funded period and beyond. The timing of the presentations below is therefore tentative.

10:00 Introduction to the Horizon Europe project “Magnonic Artificial Neural Networks and Gate Arrays” (MANNGA) / *Volodymyr Kruglyak*

10:20 Magnonic Fabry-Pérot resonators as programmable phase shifters / *Anton Lutsenko*

10:40 Progress towards reservoir computing using magnonic resonators / *Andrey Shytov*

11:00 Nanoscale chiral magnonic resonators and their use for construction of magnonic logic gates and gate arrays / *Kevin Fripp*

11:20 Spin-wave transport controlled by the magnetic state of CoFeB nanodisk arrays on a YIG film / *Junyoung Hyun & Krzysztof Szulc*

