

# **Artificial Intelligence and Machine Learning in Networking**

*Netdev0x17, Oct 31th, 2023*

# Agenda

Title	type	speaker	Time
“Bridging networking and AI: Empowering Networking Engineers with Artificial Intelligence”	Tutorial	Marta Plantykov (Synopsys)	30mins
Genetic Algorithm based PI controller tuning with stability analysis for Linux ptp4l optimization	Talk	Milena Olech (Intel), Marta Plantykov (Synopsys), Maciek Machnikowski (Nvidia)	30mins
A generic ML-enhanced controller that optimizes network application efficiency by automatically controlling performance and energy trade-offs	Talk	Han Dong (Boston University & Red Hat)	20mins
Towards an Autonomous Data Center	Talk	Hanan Shteingart (Nvidia)	20mins
Generative AI and LLM’s in Networking and Cyber-security	Talk	Roopa Prabhu (Nvidia)	15mins

# Talks on Networking for AI that you should attend ...

- [Keynote](#)
- [CXL Bof](#)