

IEEE 802 Nendica activities in Data Center Networking

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Nendica

- “IEEE 802 **N**etwork **E**nhancements for the **N**ext **D**ecade” Industry Connections **A**ctivity
- an IEEE SA “Industry **C**onnections **A**ctivity”
 - industry consensus activities promote advances in IEEE 802 networks
 - Identifying gaps and potential approaches
 - building a foundation for successful standardization
 - vetting new project proposals for IEEE 802.1 Working Group
 - not developing standards

a focal point for Data Center Networking

- **Recent Nendica activity related to Data Centers**
 - AI Computing Networks
 - Backward Notification
 - Packet-Level Load Balancing
 - Header compression
 - Data center multicast
 - Bilateral Transactions
 - Agentic Networks
 - etc.

Speakers active in IEEE 802

- **Lily Lyu**
 - a Leader of Nendica AICN Study Item on AI Computing Networks
 - Proposed activity toward new Nendica Report on Backward Notification
- **Paul Congdon**
 - Editor of two prior Nendica Reports on Data Center Networks
 - Ultra Ethernet Consortium work on Scaling Out and Up in AI/HPC Datacenters
- **Robert Stacey**
 - Chair of IEEE 802.11 Working Group
 - Overview of AI/ML in 802.11

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802**

