

# **IEEE Computer Society**

## **802 LAN/MAN Standards Committee:**

### **Connecting the World**

## **Part I – IEEE 802.3 Ethernet**

**14 December 2020**

**Paul Nikolich**  
**John D'Ambrosia**

# Foreword



## Per IEEE-SA Standards Board Bylaws, Nov 2019

At lectures, symposia, seminars, or educational courses, an individual presenting information on IEEE standards shall make it clear that his or her views should be considered the personal views of that individual rather than the formal position of IEEE.



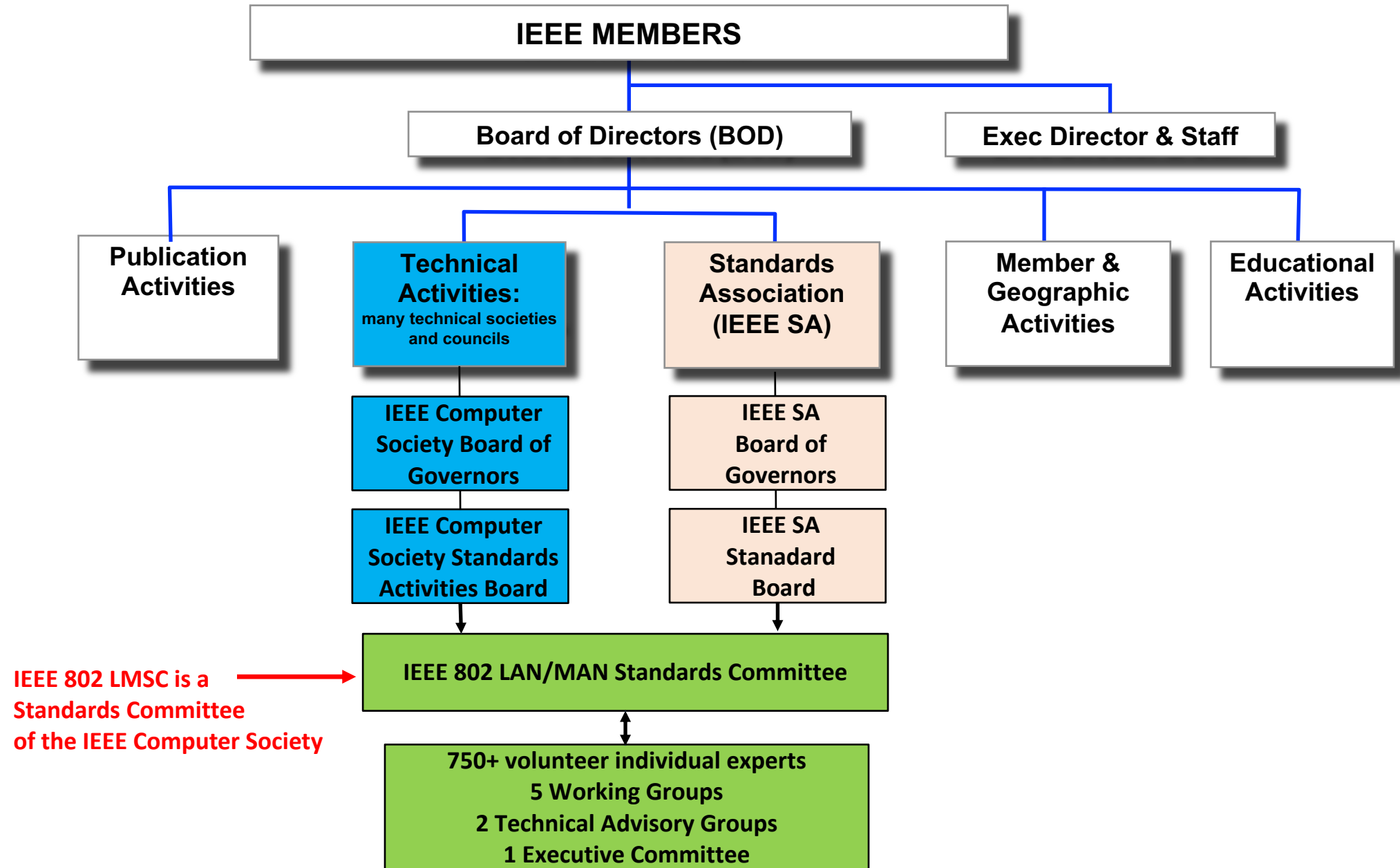
### Paul Nikoich ([p.nikolich@ieee.org](mailto:p.nikolich@ieee.org))

- Chair, IEEE 802 LAN / MAN Standards Committee
- Chair, IEEE Technical Activities Board Committee on Standards
- Independent Consultant and Partner, YAS Broadband Ventures LLC
- IEEE Fellow



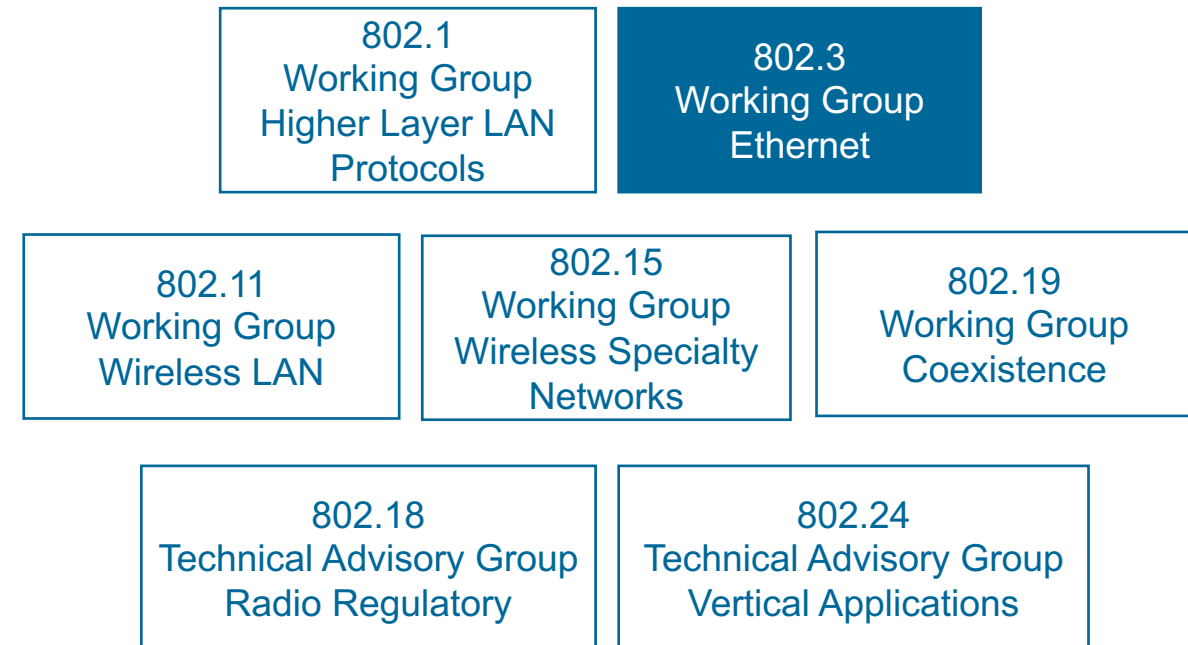
### John D'Ambrosia ([jdambrosia@ieee.org](mailto:jdambrosia@ieee.org))

- Acting Chair, IEEE 802.3 Beyond 400 Gb/s Ethernet Study Group
- Chair, IEEE P802.3ct, 100 GbE over DWDM Systems Task Force
- Chair, IEEE P802.3cw, 400 GbE over DWDM Systems Task Force
- Recording Secretary, IEEE 802 Executive Committee
- Distinguished Engineer, IP Standards Team North America, Futurewei Technologies
- IEEE Senior Member



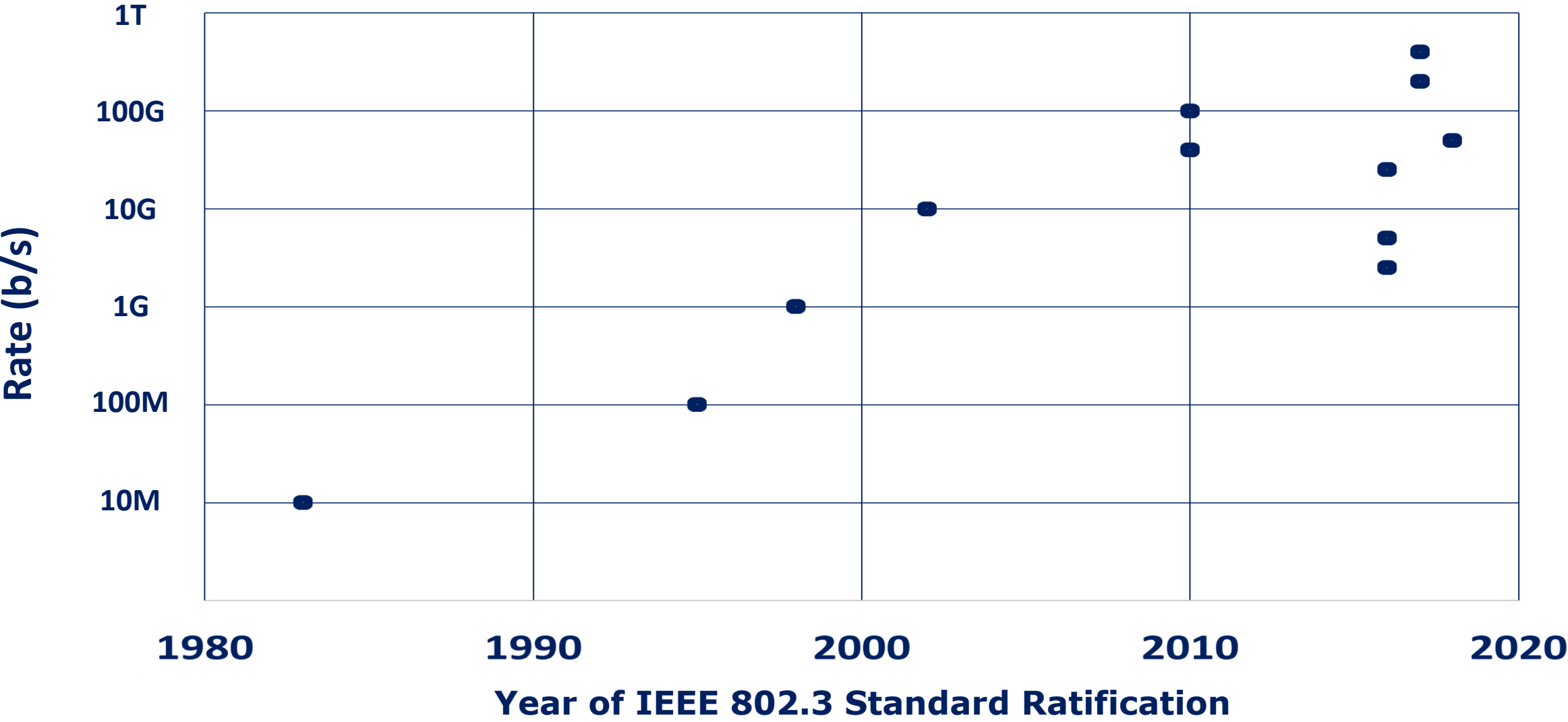
# IEEE 802 LAN/MAN Standards Committee

- 2020 is our 40<sup>th</sup> Anniversary
- Standards for
  - Local Area Networks (LAN)
  - Metropolitan Area Networks (MAN)
  - Regional Area Networks (RAN)
  - Personal Area Networks (PAN)
  - Wireless Specialty Networks (WSN)

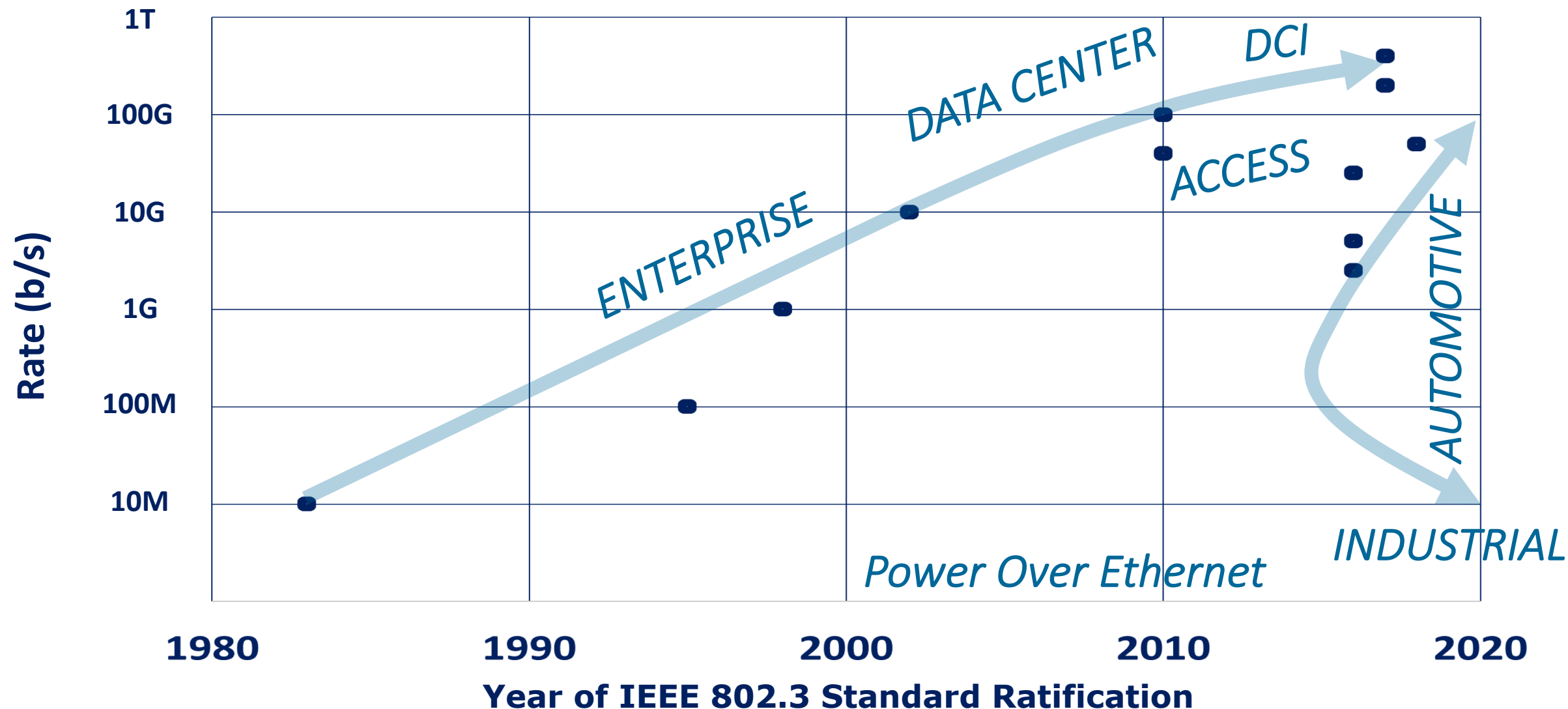


**IEEE 802 produces  
high quality, market relevant standards**

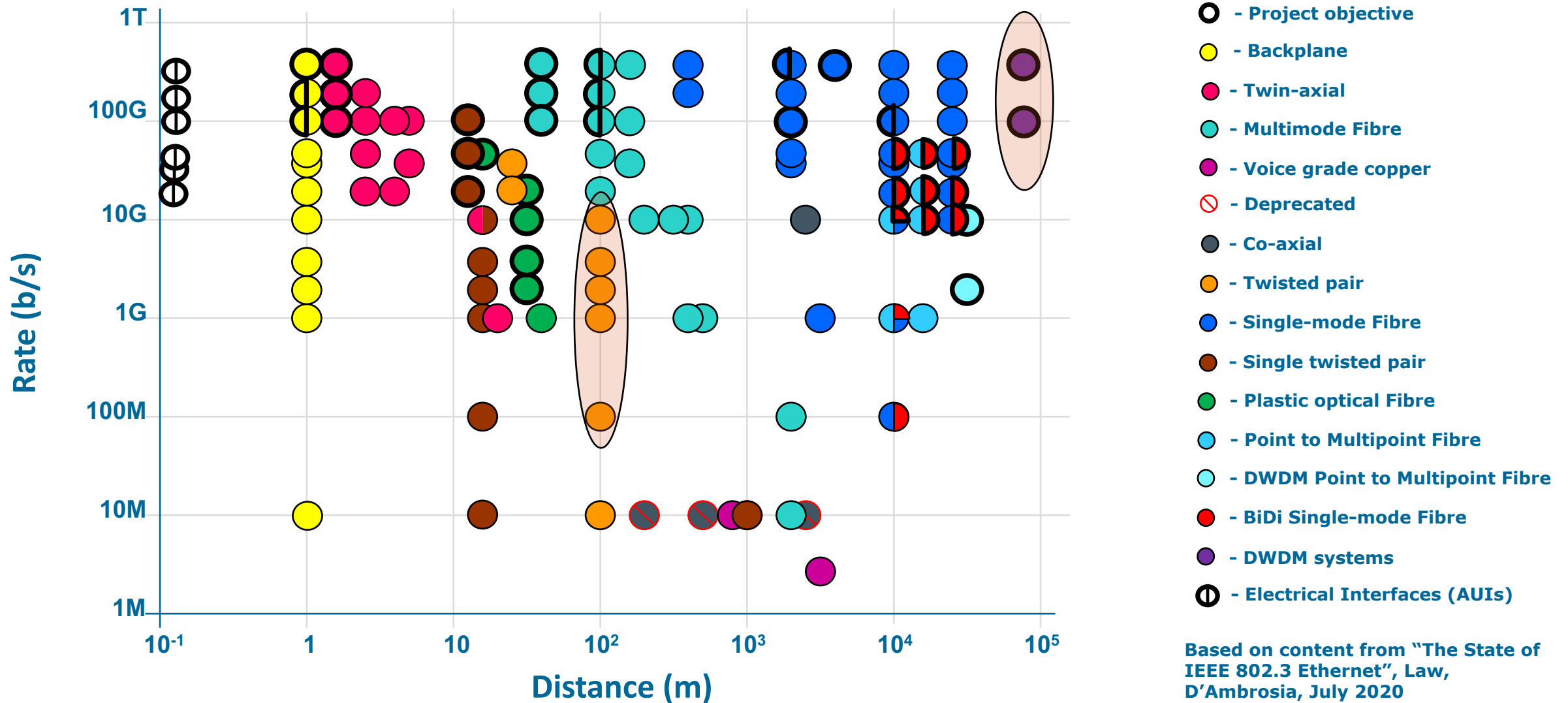
# The Ethernet Family by Speed



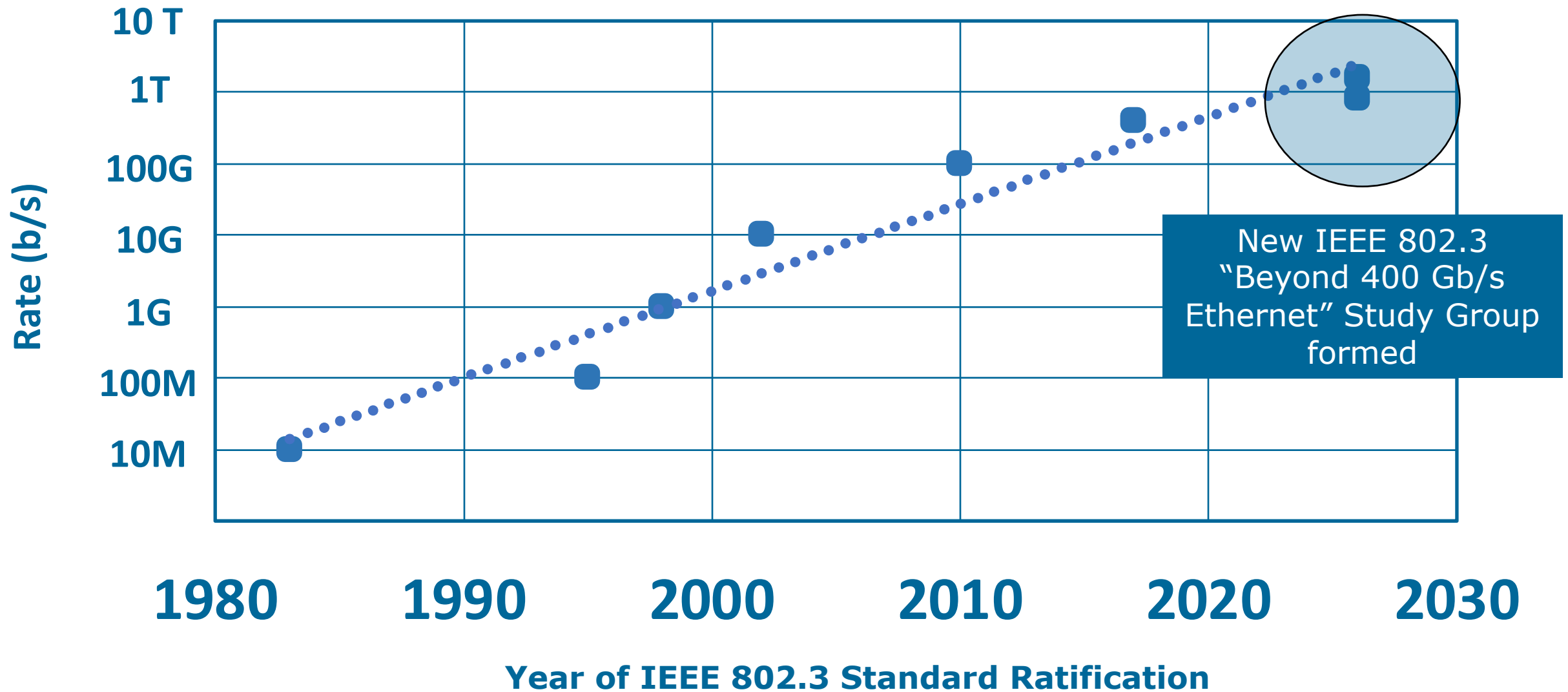
# The Ethernet Family by Application



# The Ethernet Family by Physical Layer



# The Beyond 400 Gb/s Ethernet Study Group





# 802 LAN/MAN Standards Committee: Connecting the World

## Part II – IEEE 802 Wireless Standards

❖ **Join us on**  
**January 20, 2021 @ 11am**

❖ **Speakers include:**

- ❖ **Paul Nikolich, Chair, IEEE 802 LMSC**
- ❖ **Dorothy Stanley, Chair, IEEE 802.11 WG**
- ❖ **Pat Kinney, Chair, IEEE 802.15 WG**

802.1  
Working Group  
Higher Layer LAN  
Protocols

802.3  
Working Group  
Ethernet

802.11  
Working Group  
Wireless LAN

802.15  
Working Group  
Wireless Specialty  
Networks

802.19  
Working Group  
Coexistence

802.18  
Technical Advisory Group  
Radio Regulatory

802.24  
Technical Advisory Group  
Vertical Applications

# Key Links

- ❖ [The Global Impact of IEEE 802's Standards](#)
- ❖ [IEEE 802 Home Page](#)
- ❖ [IEEE 802.3 Home Page](#)
- ❖ [IEEE 802 Executive Committee Members](#)
- ❖ [IEEE 802 Document Repository](#)
- ❖ [IEEE 802 Meeting Calendar](#)

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# THANK YOU

To get involved with IEEE 802:

<https://bit.ly/802GetInvolved>