



## **Joint IEEE-SA and ITU Workshop on Ethernet**

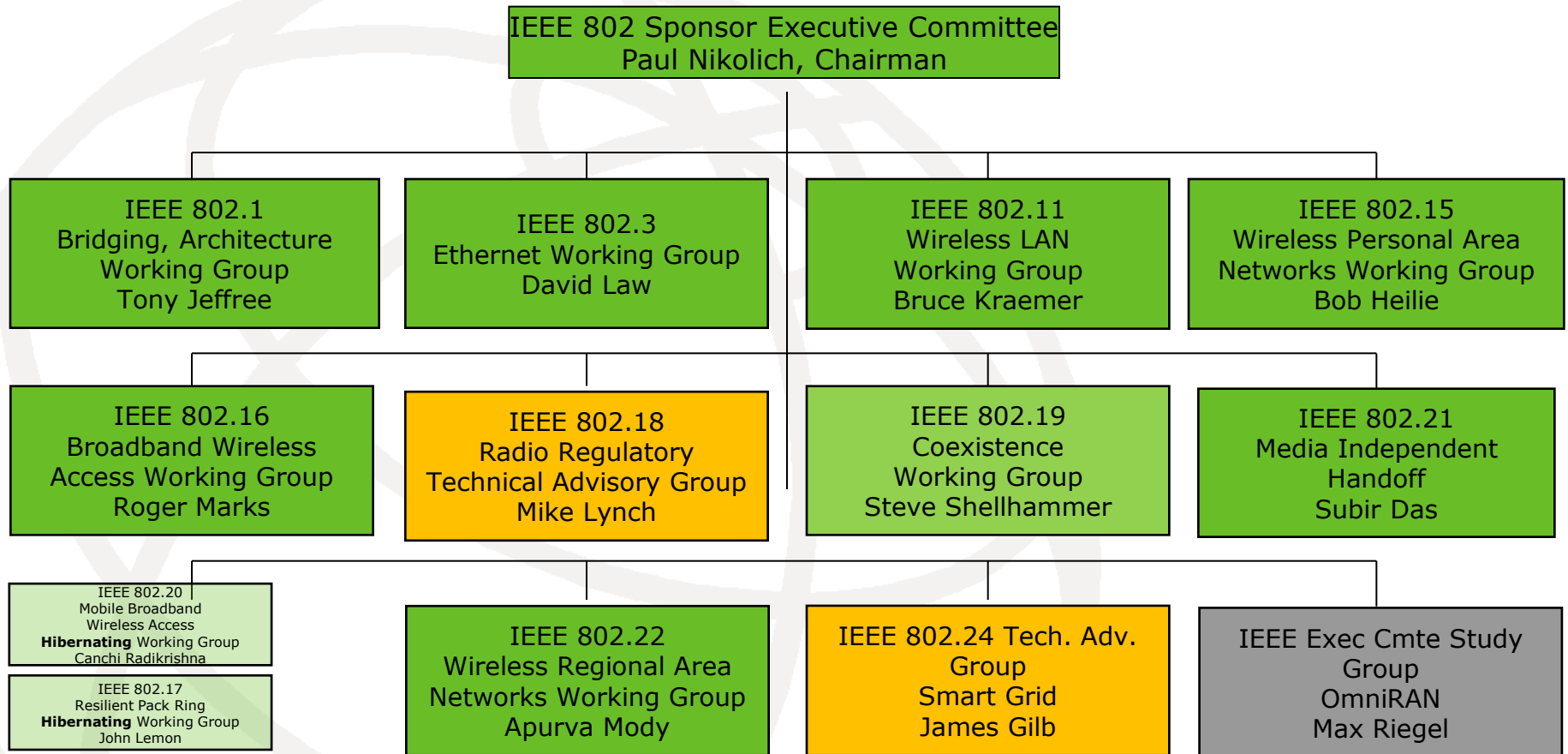
# **IEEE 802 LMSC Overview**

**Paul Nikolich,  
Chairman IEEE 802**

Geneva, Switzerland, 13 July 2013



# IEEE 802 LMSC Organization



## Appointed Exec Comm members:

Executive Secretary: Jon Rosdahl,  
Recording Secretary: John D'Ambrosia,  
Treasurer: Clint Chaplin,

1<sup>st</sup> VC: Pat Thaler  
2<sup>nd</sup> VC: James Gilb,  
Member Emeritus: Geoff Thompson  
Member Emeritus: Buzz Rigsbee

# IEEE 802 LMSC trend examples

## Wireline

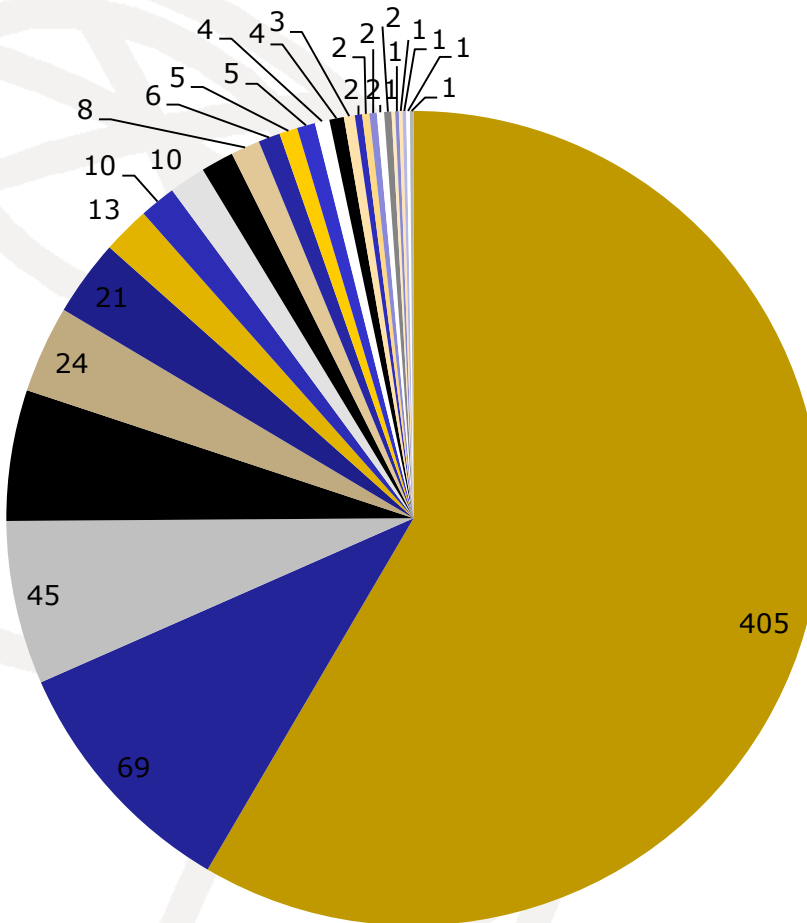
- Higher speeds
  - 400 Gb/s fiber
- P2mP over coax
  - EPoC
  - Next Gen PON
- Energy Efficiency
  - Reduce power consumption
  - Reduced pair copper
  - DC power supply
- Time sensitive
  - Guaranteed time of arrival

## Wireless

- Higher/lower speeds
  - >1Gb/s vs <250kb/s
- Higher/lower carrier frequencies
  - Lightwave vs Terahertz vs TV whitespaces
- Lower power consumption
  - Ultra Low Power
- Geolocation
- Dynamic Spectrum Sharing
- Small Cell Backhaul
- OmniRAN
- Network Performance Measurements

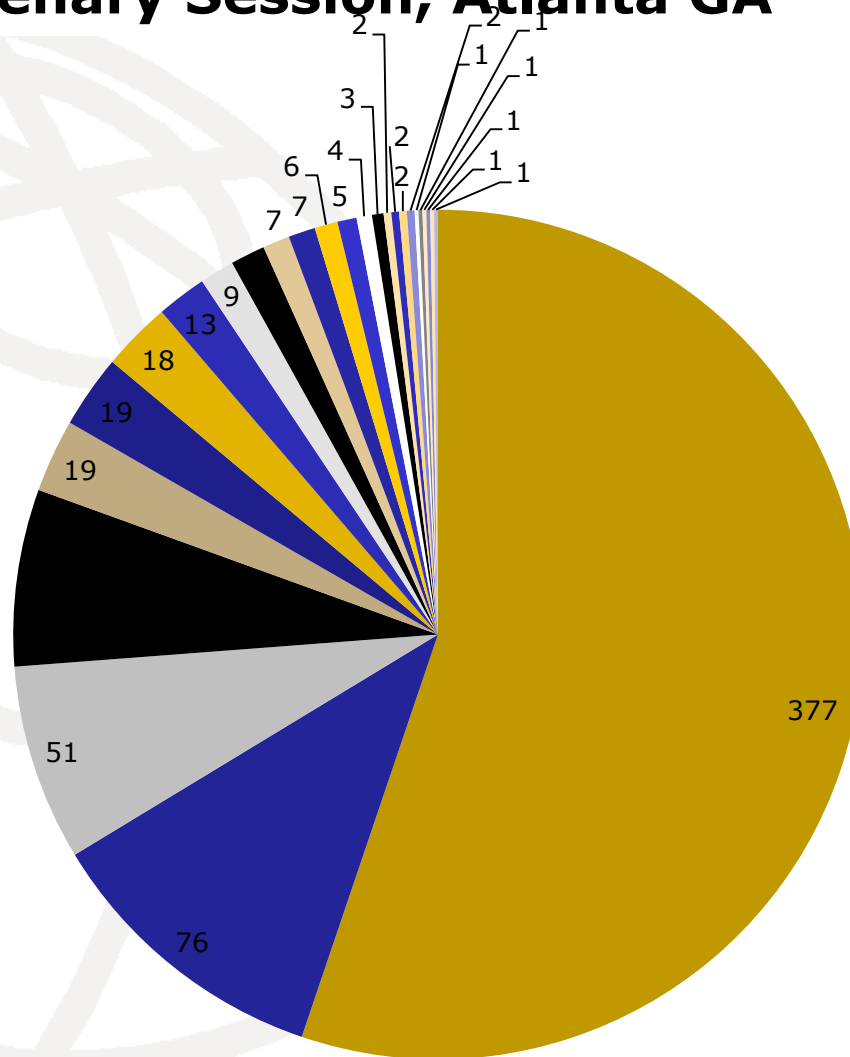
## March 2013 IEEE 802 Plenary Session, Orlando FL

USA	405
Japan	69
China, Peoples Rep	45
Korea South, Rep of	36
Germany	24
Canada	21
UK	13
z unknown	10
Singapore	10
Israel	9
Finland	8
France	5
India	5
England, UK	4
Italy	4
Netherlands	3
Australia	2
Austria	2
Denmark	2
Portugal	2
Sweden	2
Belgium	1
Hungary	1
Norway	1
Scotland, UK	1
Spain	1
Switzerland	1
<b>Total</b>	<b>693</b>



# March 2012 IEEE 802 Plenary Session, Atlanta GA

USA	377
Japan	76
Korea South, Rep of	51
China, Peoples Rep	46
Germany	19
Singapore	19
Canada	18
UK	13
Australia	9
Finland	9
England, UK	7
Israel	7
France	5
Netherlands	4
Switzerland	3
India	2
India	2
Portugal	2
Sweden	2
Denmark	1
Hungary	1
Italy	1
Russian Federation	1
Scotland, UK	1



# IEEE Board of Directors

Organizational  
Units (OUs)

Educational  
Activities

Publication  
Activities

Member &  
Geographic  
Activities

IEEE-USA

Technical  
Activities

Standards  
Association

## Where IEEE-802 fits within the IEEE Organizational Unit structure

Computer Society Standards Activities Board

IEEE 802 LMSC is here!

Standards Board and  
Board of Governors