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IEEE Announces Industry Connections Activity: New Ethernet Applications

IEEE 802.3 group will identify, address and build industry consensus on standards development for new Ethernet applications

PISCATAWAY, NJ, XX March 2017 – IEEE, the world's largest technical professional organization dedicated to advancing technology for humanity, and the [IEEE Standards Association \(IEEE-SA\)](#), today announced the approval of [New Ethernet Applications](#), an [IEEE-SA Industry Connections \(IC\) Program](#) activity. The activity is aimed at more quickly identifying and addressing standards development requirements to support the growing and broader utilization of IEEE 802.3™ across a wide range of industries.

With emerging non-traditional applications creating a demand for new IEEE 802.3 standards, it became necessary to broaden the scope of the IEEE 802.3 Industry Connections Next Generation Enterprise, Data-Center, Campus (NG-ECDC) activity. The IEEE 802.3 New Ethernet Applications Industry Connections (NEA-IC) activity was formed to include an increasing number of applications that exist outside of the data center, campus and enterprise space. Recent consensus building activities within IEEE 802.3 NG-ECDC has led to the formation of study groups and standards development activities that address industrial and automotive applications such as the [IEEE P802.3cg™—Physical Layer Specifications and Management Parameters for 10 Mb/s Operation over](#)

[Single Balanced Twisted-pair Cabling and Associated Power Delivery Task Force](#) and the [IEEE P802.3 Multi-Gig Automotive Ethernet PHY Study Group](#), as well as application areas related to networking management protocols such as the [IEEE P802.3cf™ YANG Data Model Definitions Task Force](#).

“There is a growing call for standards-based Ethernet solutions and IEEE is committed to address industry needs as quickly and effectively as possible,” said John D’Ambrosia, chair, New Industry Applications IEEE-SA IC Activity. “IEEE 802.3 NEA-IC is ideally positioned to help build consensus on new IEEE 802.3 standards and establishes a framework for standards development activities that are comprehensive and collaborative, and that lead to standards being more broadly adopted across a growing number of industry applications.”

From YANG Models to next-generation optics, there are a number of technological areas already identified that represent significant growth opportunity for IEEE 802.3. Beyond this, application spaces, such as those related to the automotive industry alone represent ongoing growth of 100 million+ Ethernet ports per year. What’s more, industrial transition to twisted single-pair Ethernet solutions is driving expansive growth over the long-term, while building automation also represents a significant growth opportunity for the Ethernet standard.

To find out more about IEEE 802.3 NEA-IC, please visit the [website](#). Individuals with ideas or proposals can email [John D’Ambrosia](#) for direct communication.

Deployment of technology defined by IEEE 802® standards is already globally pervasive, driven by the ever-growing needs of data networks around the world. New application areas are constantly being considered that might leverage IEEE 802 standards in their networks from wireless, through twisted-pair cabling, to fiber-optic cabling solutions. To better address the needs of all of these areas, IEEE 802 standards are constantly evolving and expanding. The success of

IEEE 802 standards—from their inception through today—has been due to their fair, open and transparent development process.

To learn more about IEEE-SA, visit us on [Facebook](#), follow us on [Twitter](#), connect with us on [LinkedIn](#) or on the [Standards Insight Blog](#).

About the IEEE Standards Association

The IEEE Standards Association, a globally recognized standards-setting body within IEEE, develops consensus standards through an open process that engages industry and brings together a broad stakeholder community. IEEE standards set specifications and best practices based on current scientific and technological knowledge. The IEEE-SA has a portfolio of over 1,100 active standards and more than 500 standards under development. For more information visit <http://standards.ieee.org>.

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