**Call for Abstracts Submission Form**

**2021 IEEE SA Ethernet & IP @ Automotive Technology Day**

**Guidelines for Abstract submission**

1. Write a descriptive title of your presentation
2. Write the name, organization, and email address of the authors in the order that the authors should be listed in the program
3. Choose only **one** main topic
4. Write the abstract
5. Submit the completed form to [eipatd-requests@ieee.org](mailto:eipatd-requests@ieee.org) by **16th May 2021.**

**1) Title of your presentation:**

**2) Author(s) name, organization, email address (in the order to be listed in the program):**

**3) Please choose the main topic of the abstract (only one). Enter number here:**

1. Current automotive use-cases and future perspectives
2. Ethernet’s role to facilitate cloud connectivity
3. Ethernet network design and specification
4. Ethernet requirements for automated driving applications
5. Safety, security, and reliability of Ethernet communications
6. Markets and strategies
7. Tools and tests methods
8. Present and future physical layer and protocol solutions

**Examples of problems include but are not limited to the following:**

* Mix of data rates in one network
* System-wide trade-offs in hardware and software for traffic management
* Issues associated with sharing high-bandwidth sensor data (e.g., cameras) in real-time between ECUs
* How can Ethernet, TSN, and higher layers support zonal and service-oriented (SOA) architectures?
* Clock sources and fault-tolerant synchronization of in-vehicle and external time bases
* How can the configuration of networks be made more flexible, automated, and dynamic?
* Ethernet channel signal integrity requirements and verification

**4) Abstract (between 1/3 and 1 full page, approximately 200 – 600 words)**