Electrical Connectors' Forum

This forum will address the myriad of topics and challenges faced when using connectors in industrial electronics, automation technology, automotive, telecoms and data technology, as well as medical technology.

The connector—a key component in a networked world

In an increasingly digitalized world, connectors are the key to successful networking. Electrical connectors form the backbone of modern automation systems. The use of connection technology in automotive applications is increasing exponentially and is still only at the start of a huge growth curve. Autonomous electromobility is one of the ten disruptive technologies that are set to have a fundamental influence on connection technology.

Market figures are already booming today in the industrial electronics and automotive sector. Whichever industry you look at, connectors are set to become increasingly significant in the future.

However, the connectors featured in today’s electronics systems, regardless of the sector, are often complex components with different electronic, mechanical, and environmental requirements. To add to this, the design and design-in requirements of connectors are both numerous and extremely exacting. This affects the basic materials and surfaces, the connector technology, and even impacts upon the production and testing methods used. There is high demand for information among medium-sized companies in particular.

Subject areas range from the selection of materials and coatings, to production processes including 3D printing, connector technologies, and connection concepts, through to standards, shielding (EMC), and testing technology. Key topics will include miniaturization, modularization, reliability, and signal integrity.

The following topics are important for the Connector Forum:

- Automotive and Industrial Ethernet
- Connectors for the Internet of Things
- Connectors for embedded assemblies
- Sensor connection technology (industrial electronics and automotive)

Detailed information about all lectures is available in our event database.

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