

## IEEE RTSI 2018 – Track 2 – 2.5

### PHOTONICS TECHNOLOGIES FOR INDUSTRY 4.0

Photonics is a key technology for the development of intelligent manufacturing. By providing intelligence and interconnection, Photonics is enabling both in the development of innovative production processes and in the design of highly efficient and adaptive production systems. A field of application of Photonics for Industry 4.0 is, for example, laser processing, where the development of new optical sources is allowing the widespread diffusion of this technology in the manufacturing sector. Similarly, optical sensors in monitoring systems are useful in predictive diagnostics and in the internet of things.

The technical session will provide a networking opportunity for industry and academic interests, as well as analysts, private and public investors interested in INDUSTRIA 4.0.

Keywords:

- Photonics systems for industrial Internet of Things
- Photonics in the Factory of the Future
- Laser technologies for manufacturing

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