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**TOPIC:**

Future Trends in Printed Electronics

**ABSTRACT:**

The future of electronics is a hot topic. One vision is the use printing technologies to simplify the production and enable new applications. Since fifteen year we have seen a lot of improvements and ideas, but also several drawbacks.

The presentation will offer a short overview about the capabilities of printing technologies and discuss the technological challenges of the transition from Graphic Arts Industry to a general approach of duplicating microstructures and patterns for electronic functions by advanced printing technologies. An analysis of the needs and expectations for next steps towards first commercial successfully applications will be given.

**PROFILE:**

Born in 1960, Arved Huebler studied Physics in Heidelberg and Berlin. His PhD in the field of image science was honored with several awards. Arved Huebler worked several years at Bertelsmann AG, Germany, one of the largest media companies worldwide. At Bertelsmann, he became senior manager for technology. In 1997, he was appointed to a professorship at Chemnitz University of Technology, Germany. He is director of the Institute for Print and Media Technology [pmTUC] at the University with about 40 employees. The pmTUC is one of the worldwide leading institutes for research and education in advanced printing and media technologies and runs a small additional lab in Manipal, India. His group has presented the first mass printed electronic circuitry and the first mass printed solar cell on paper. He was founding board member of the OEA, the international Organic Electronics Association. Furthermore, he is engaged in several start-up companies and serves as managing director of e-PINC, a start-up manufacturer of functional inks.