

**Topics and Abstracts:**

<b>Speaker</b>	<b>Mr Peter HESSNEY</b>
<b>Company</b>	<b>Senor Films Inc.</b>
<b>Designation</b>	<b>Co-Founder &amp; President</b>
<b>Title of Presentation</b>	<b>Challenges and Opportunities in Additive Manufacturing for Flexible Printed Electronics</b>
<b>Abstract</b>	<p>There is increasing demand opportunities and many challenges to overcome in delivering high-throughput production processes in the large-scale manufacture of flexible hybrid printed electronic assemblies. Sensor Films' Peter Hessney will describe the development and launch of the Starlight 3000FHE prototyping and production platform that brings together all the benefits of additive manufacturing and 2.5D digital industrial printing workflow with the performance of miniaturized semiconductor components.</p> <p>Sensor Films' Starlight platform is an advanced manufacturing system with a fully-automated process to integrate multi-layer digital inkjet deposition of conductive traces, with in-line photonic sintering, as interconnects for subsequent semiconductor component pick-and-place attachment, and device encapsulation.</p> <p>The Starlight 3000FHE system prints functional and decorative materials on wide range of flexible substrates in the preparation and integration of printed electronics with discrete components to make low cost flexible hybrid assemblies. Starlight operates with a large-area heated vacuum platen that accommodates cut-sheet and roll-fed substrates to rapidly and efficiently produce flexible hybrid electronics for a broad range of market applications.</p>

**Biography****Mr Peter HESSNEY**

Peter Hessney is an accomplished international business executive. Peter has worked alongside many Fortune 500 executives and global product development clients advising them on how to commercialize and bring to market the latest process technologies into new and exciting electronic products.

Mr. Hessney is a former Global Vice President of Motorola Semiconductor where he built and managed a worldwide technical sales and application engineering teams.

Mr. Hessney, co-founded and is President of Sensor Films Inc. a New York State headquartered company. Sensor Films' Starlight Platform brings to international markets, disruptive additive manufacturing and 2.5D digital printing electronics equipment and ink solutions. Sensor Films delivers to customers the ability to digitally print and manufacture flexible hybrid electronic assemblies at up to one tenth today's process manufacturing takt time and cost levels leveraging proprietary digital inkjet technology.

Mr. Hessney holds a bachelor of science degree from Rochester Institute of Technology and an Executive MBA from the Simon Graduate School of Business.