**E4tech’s 2017 Review of the Fuel Cell Industry** - David Hart, E4tech

- E4tech’s Annual Fuel Cell Industry Review (FCIR) shows that the industry is rapidly increasing its shipments, with 2016 nearly double 2015. 2017 should be another record year, and the launch of the FCIR at the FC Seminar will give a first indication of the scale.


- Discussion of market opportunities for the SOFC technology in relevant commercial DG market segments in the U.S., including natural gas compressor stations, grid sub-stations, data centers and military applications.

**Solid Oxide Fuel Cells Eliminate Downtime for Hybrid, Off-grid, Power Systems** - Craig Allman, Ultra Electronics – USSI

- An explanation with case studies of how the hybridization of Solid Oxide Fuel Cells with solar and wind sources result in an optimal balance of power, reliability, and low maintenance cost for off-grid remote power applications and critical infrastructure backup.

**Hydrogen Energy Storage for Renewable-Intensive Electricity Grids** - Zane McDonald, University of California, Davis

- This analysis aims to illuminate the incorporation of water electrolysis into high-renewable penetration electricity grids in order to convert renewable electricity into zero-carbon hydrogen which could be used in diverse energy applications.

**Developing Advanced SOFC Materials Towards Commercialization** - Andreas Richter, CerPoTech AS

- Reliable and reproducible supply of advanced high quality powders is an especially important consideration when proceeding from the laboratory to pilot series and industrial scale production. Based on spray pyrolysis technology, CerPoTech is in the process of transitioning from a strong focus on material supply for mainly R&D activities towards the industrial supply of complex oxide powders.