

**ELIS
CARLSTRÖM
SWEDEN**

Elis Carlström is a department manager at Swerea IVF in Mölndal, Sweden. He received a MSc in chemical engineering and a PhD in ceramic technology at Chalmers University of Technology in Göteborg, Sweden, where he also was elected "docent" (associate professor). Elis Carlström started out as a researcher at the Swedish Ceramic Institute where he later became research manager in 1999 and managing director in 2003. In 2005, the Swedish Ceramic Institute was merged with Swerea IVF and Elis Carlström became the department manager for the department of Materials Applications that included ceramics. He has authored/co-authored 20 journal papers and 40 conference papers, 3 book chapters and is the co-inventor of 4 patents and one pending patent application. His main research field has been applying colloid chemistry and rheology methods to understand and develop forming and sintering of ceramics, e.g. water-based tape casting of ceramics. He has been involved in the development of new production methods in several companies (dental, battery, cutting tools and sensor components). His current research includes production methods for solid oxides fuel cells and 3D printing for ceramics. He cooperates with a wide network of researchers, especially in European projects. Elis Carlström also takes part in ceramic education by giving a course in ceramics as part of a materials master program at Chalmers University of Technology. He is a member of the ECerS Council and was the co-chair for the ECerS conference in 2011 in Stockholm.