

Distinguished Researcher

Project Title

Scientific and engineering
advancements in Atmospheric
Corrosion

Institute: Royal Institute of Technology



Researcher:
Prof Christofer Leygraf
Nationality: **Swedish**

Abstract

Professor Christofer Leygraf at the Royal Institute of Technology in Stockholm, Sweden, has made seminal contributions to improve or scientific understanding of Atmospheric Corrosion, the most common and costly forms of corrosion. He is recipient of international awards, author or co-author of more than 200 scientific papers and author of a book, Atmospheric Corrosion (John Wiley & Sons, New York 2000). Highlights of his research include the development of in situ techniques to obtain a molecular insight into the atmosphere-metal interfacial regime, advancements in the understanding of both outdoor and indoor atmospheric corrosion, development of multi-analytical approaches to follow patina formation, and the multi-disciplinary exploration of corrosion-induced environmental effects.

The main research activities and contributions have been made in atmospheric corrosion and C. Leygraf's group is today by many scientists ranked as the world leader in atmospheric corrosion.

The research activities deal mainly with surface and interface characterization of corrosion phenomena. After his appointment as professor of Corrosion Science in 1987, Prof. Leygraf has founded a major research program in Sweden dealing with various fundamental and applied aspects of corrosion science. Prof. Leygraf is recipient of international awards, and author or co-author of a book and of more than 200 scientific papers, see section V.