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Biographic Notes:

Spyros Diplas is Research Manager at SINTEF and head of the Material Physics-Oslo research group, as well as an associate professor at the Centre for Materials Science and Nanotechnology/Department of Chemistry, University of Oslo. He is specialized in Physical Metallurgy and Materials Science and is a graduate from the National Technical University of Athens (M. Eng.), University of Manchester, UK (MSc) and University of Surrey, UK (PhD). He is a member of Operational Management Board of the European Materials Characterisation Council and former member and rapporteur of the 2017 characterisation task force for the European Commission. He has more than 25 years' experience within bulk and surface characterisation, testing and processing of metallic and ceramic materials. He is the manager of the surface analysis laboratory in Oslo and has been the manager of the large-scale infrastructure project "The Norwegian Transmission Electron Microscopy Laboratory-NORTEM" for the period 2013-2017. Diplas has participated in various EU and Norwegian research and innovation projects as well as in industrial research and has co-authored > 85 publications in international journals and > 80 presentations in international conferences. Competence and research interests: -Metal Physics - Bulk and Surface Materials Characterisation (SEM/TEM/XPS/AES/SIMS) - Environmental Behaviour of Materials - Probing of the Electronic Structure of Materials with Electron Spectroscopy - Alloy Development - Casting & Solidification of Ferrous and non-Ferrous Alloys - Physical Metallurgy of Steels and Light Metal Alloys - Powder and particle technology – Airborne particles in aerospace - Coatings and thin films - Thermoelectric materials.