



FELLOWS

**LOUIS
WINNUBST
THE NETHERLANDS**



Louis Winnubst obtained his MSc in Chemistry from the University of Amsterdam in 1979. In 1984 he obtained his PhD at the University of Twente, the Netherlands, on the thesis: "Electrical and Interface Properties of Pure and Modified Yttria Stabilized Zirconia" under supervision of prof. A.J. Burggraaf. After his PhD he worked as assistant professor and later as associate professor at the University of Twente in the field of Inorganic Materials / Inorganic Membranes. Since 2004, he has been an adjunct visiting professor at the University of Science and Technology of China (USTC, Hefei, Anhui Province) within the School of Chemistry and Materials Science.

His expertise lies in the processing of advanced structural and functional ceramic materials. Since 2004, his research has focused on ceramic processing for the development of new ceramic membranes in which nanoscale dimensions are a focal point of research. Important aspects are knowledge and control of the microstructure during manufacturing in order to obtain membranes with special, unique and reproducible properties. Examples of recent work are on polymer-functionalized ceramic membranes for solvent nanofiltration and sol-gel-derived or zeolitic membranes for gas separation. Louis is (co-) author of more than 160 articles, published in international scientific journals. He supervised 20 PhD projects.

From 1991 to 1997 Louis was treasurer of the Netherlands Ceramic Society (NKV) and from 2002 to 2008 chairman of the Netherlands Ceramic Society.

Louis is a council member of the European Ceramic Society since 2002. From 2005 to 2017 he was a member of the Permanent Executive Committee (PEC) of the European Ceramic Society: from 2005 to 2011 as treasurer of the European Ceramic Society and of the Trust of the Journal of the European Ceramic Society (JECS Trust) and from 2011 to 2017 as chairman of the ECerS working group "Education & Young Ceramists Network".

Louis Winnubst is an editor of the Journal of the European Ceramic Society