

# DSL2018

14th International Conference on Diffusion in Solids and Liquids  
AMSTERDAM (The Netherlands) from 25-29 June, 2018

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## Résumé

Prof. dr. Jeff Th. M. DeHosson

Professor Jeff Th.M. DeHosson holds a PhD in Physics of the University of Groningen, the Netherlands (with honors and highest distinction) and after his postdoctoral and visiting scientists years in USA (Northwestern U., UC-Berkeley, Lawrence-Berkeley Natl. lab) he was appointed in 1977 by the Crown (H.M. Queen Juliana). His passion is to carry out innovative and pre-competitive research in the field of nanoscience and nanotechnology emphasis on: advances in Microscopy, in particular in-situ transmission and in-situ scanning electron microscopy; nanostructured materials, in particular nano-clusters, nano-foams, nano-objects, composite coatings and high power lasers for applications in transportation, communications, and data processing.

He is elected member of the Royal Netherlands Academy of Sciences (division physics), the Royal Holland Society of Science and Humanities and elected to the 'Academia Europaea', editor of 3 international journals, member of editorial boards of more than ten journals and Elected Fellow of various foreign scientific societies, including TMS-USA and ASM-USA. He acts as Honorary Professor of Tsinghua Un -Beijing, UST-Beijing and Port Elisabeth –SA. He holds several patents and received a number of prestigious international awards, including the European Materials Gold Medal in 2005 and the Nanostructured Materials Prize, NanoSmat prize 2009, et cetera.

He published more than 1000 articles and so far supervised 78 PhD theses. (see <http://materials-science.phys.rug.nl/> and/or <http://www.rug.nl/staff/j.t.m.de.hosson/cv> )