

Delegation - UK



Nick Harris

University of Southampton, Professor

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Southampton

I am currently Professor of Advanced Sensor Technologies and Head of the SEMS (Smart Electronic Materials and Systems) group in the School of Electronics and Computer Science (ECS) at Southampton University.

My research interests have a strong commercial focus, and previous positions before Southampton have been in industry based research and consultancy organisations, so I have a good understanding of the drivers of technical research. My research has focussed on emerging disruptive technologies, such as lab on a chip medical devices, energy harvesting sensor systems, and more recently low cost distributed sensors for land use monitoring and control. I have strong links with the University of Western Australia and the Luxembourg Institute of Science and Technology, collaborating in developing technology for significant socio-economic impact, by enabling real-time ecohydrological measurements. My publication record is excellent with many peer reviewed publications and patents, and I have a good track record of raising grant funding. I am a founder of Perpetuum Ltd, a spin out from ECS that has successfully commercialised vibration energy harvesters for condition monitoring applications, and was involved in writing the business plan, and negotiating the initial fund raising. Perpetuum was sold in 2020 to Hitachi in a trade sale. I previously held a directorship of D4 Technology Ltd, a consultancy company, whose customers included Dstl, Lockheed Martin, GE Global Research, Perpetuum and Staywell, as well as previously being a director of ECS Partners, the consultancy operation of ECS. I am a Fellow of the IET (FIET) and a chartered engineer (CEng).