

Professor Nadir A.G. Ahmed

Visiting Professor at Salford University
Managing Director
Idvac Ltd.
Greenheys, Manchester Science Park
Pencroft way, Manchester M15 6JJ
UK

Tel: +44(0)1617956794 Fax: +44(0)1618680088

Mobile: +44(0)7949266096

Email: ldvac@aol.com
www.ldvac.co.uk



Nadir Ahmed is a Professor of Advanced Materials and Nanotechnology. He is a visiting professor at the Faculty of Science, Engineering & Environment, University of Salford and Founder of Idvac Ltd. Prof Ahmed was borne in the city of Basrah in 1951. He received his BSc in Physics from University of Basrah in 1972, then his MSc in 1974 and PhD in 1976 from Electrical Engineering Department at University of Salford, UK. From 1977-1982, he worked at the Electrical Engineering Department, University of Salford. From 1983-1984, he worked as a Senior Physicist at STL in Harlow developing advanced materials for night vision equipment. From 1984-1986, he worked as Research and Development manager at General Engineering Ltd. in Manchester developing new advanced materials using vacuum technology for civil and military aircrafts. From 1986-1990, he worked as Senior lecturer at the Electrical Engineering Department, University of Huddersfield. In 1990, he formed his company Plasmion Ltd. with the support from Salford University. In 1994, he moved to General Vacuum Equipment Ltd. to work as Research and Development manager to develop advanced materials for new applications including lithium thin film batteries and optical thin films for security holograms. In 2004, he formed his company Idvac Ltd. to develop new advanced materials employing vacuum and nanotechnologies for smart holograms and solar windows. Prof Ahmed is a regular speaker at Holopack conference and an international consultant to many companies worldwide in the field of security holograms, devices and nanotechnology. He presented papers in more than 35 international conferences, has more than 75 scientific publications and a book entitled (Ion Plating Technology) published by Wiley & Sons in 1987. Prof Ahmed has 5 patents and won 4 SMART (Small Merit Award for Research and Technology) & innovation awards from the UK Department of Trade & Industry for his work on advanced materials. He also published a book, in Arabic, on the Utilizations of Iraqi Brains to rebuild Iraq. One of his patents is used now on most international passports and identity cards.

Prof Ahmed's main research interests are in smart materials using advanced thin film and nanotechnology to develop new security holograms, smart devices, smart window solar film, thin film batteries and thin film optical coatings for new applications.