

Prof Nicos Ladommatos
Kennedy Professor of Mechanical
Engineering
University College London.



Personal Profile

He first came to London in 1972, after completing his military service, to study at the University of London's Queen Mary College. There he studied mechanical engineering as a first degree and then moved to the Imperial College for a master's degree and a PhD. I worked there for three years and then became an academic.

Following a period working in industry, he moved to Brunel University to take on the post of Lecturer. He became Head of Mechanical Engineering Department in 1994, then Dean of the Faculty of Technology & Information Systems and then Pro-Vice Chancellor, Research & Enterprise. Nicos was appointed to the Kennedy Chair at UCL from the beginning of 2004.

Research Profile

Nicos Ladommatos's research interests are in the field of internal

combustion engines and his work has contributed to significant progress in a number of areas including: the characterisation of diesel fuels, mixture preparation in spark ignition engines - particularly during transients, the effects of exhaust gas recirculation on diesel engine emissions, understanding and controlling the processes involved in Controlled Auto-Ignition combustion. For this one of his interests lie in lasers. During the mixing of the fuel with air in the internal combustion engine, the researcher must be in a position to know where the fuel is at any given moment and by using laser beams we can create two-dimensional images which show us where the petrol molecules are. We can, therefore see if the mixing rate of the fuel with air is correct or whether adjustments need to be made.

Other Interests

In his spare time, he likes to do things in the house and has a small workshop at home where for putting together or mending various things. At weekends he likes to do things with my 16-year-old son; we go to the cinema or bowling. Despite living long term in England had having a wife who is British he visits Cyprus a couple of times every year for holidays and to see parents, brothers and sisters.

Relevant Links or info

For further information about Nikos' research please view http://www.mecheng.ucl.ac.uk/staff/?staff_id=nl