



Edinburgh Napier  
UNIVERSITY



# PUBLIC LECTURE

by Professor Tariq Muneer. Professor of Energy Engineering at Edinburgh Napier University



SPEECH TITLE:

## ELECTRIC VEHICLES: PROSPECTS AND CHALLENGES

**Tuesday 18 April 2017**

10:00am-12:00pm

Salón de Grados de la ETS de Ingeniería de Caminos, Canales y Puertos

Entry free. Booking not required



### ELECTRIC VEHICLES: PROSPECTS AND CHALLENGES



T. Muneer, M. Kolhe & A. Doyle

Currently there are over 1.2 Billion vehicles on this planet. That figure is expected to rise to 2 Billion by 2035. The runaway success of the automobile is due to its impressive performance – travels more than 300 miles without refuelling the fuel tank and can attain speeds of over 100 mph.

Automobiles, however, are increasingly being scrutinised with reference to their environmental credentials: local kerb-side pollution as well as their contribution to climate change – a quarter of global carbon emissions emanate from their tail-pipes. In this lecture **Professor Tariq Muneer of Edinburgh Napier University** will provide an introduction to the pros and cons of automobiles which will be followed by a case for the introduction of electric vehicles. It will be shown that the latter will only be sustainable if their charge is obtained from renewable energy sources.