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- \* The prestige of belonging to the oldest established aeronautical society *in the world* and largest multi-disciplinary engineering body in the UK.
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- \* Dramatically reduced subscription rates for '*The Aeronautical Journal*,' one of the most distinguished technical publications in its field.
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- \* Competitive rates for students and graduates, who have their own specialist group within the Society, organising lectures, visits and social events.

## CAN YOU AFFORD NOT TO JOIN?

*Further details are available from:  
The Membership Department.  
The Royal Aeronautical Society, Grey Tiles, Kingston Hill,  
Kingston upon Thames, KT2 7LW.*

# The Royal Aeronautical Society

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INCORPORATED BY ROYAL CHARTER 1949

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# PROFESSOR IN AIRCRAFT PERFORMANCE AND PROPULSION <sup>M/F</sup>

## ■ THE FACULTY OF AEROSPACE ENGINEERING.

In the discipline aircraft design and performance, the chair of professor in aircraft performance and propulsion will become vacant on January 1, 1991 due to the retirement of the present incumbent, prof.ir. HJ. Wittenberg.

The educational program in Aerospace Engineering consists of two parts. The first part composed of fundamental and general subjects, including aerospace courses, followed by a second part differentiated towards several disciplines of aerospace technology. Research in the faculty is mainly concentrated in five areas: aerodynamics, aircraft design and performance, stability and control, materials and structures, and orbital mechanics.

The Faculty is equipped with an airplane for flight testing, flight simulator, instrument laboratory, computer facilities, wind tunnels for subsonic and supersonic flows and structural/material laboratory.

The professor is responsible for instruction in the subjects Aircraft Performance and Propulsion as a component in the general teaching program, as well as the more specialized instruction of some students in the final stages.

*Research is being done in the areas of flight trajectories, trajectory control, propulsion and noise of aeroplanes.*

Also there is a cooperation with Laboratory PML-TNO in the area of rocket propulsion. The Department has an aeroplane for executing flight tests, and several wind tunnels for subsonic and supersonic flows.

In addition to lectures on the subjects of "Performance and Propulsion of Aeroplanes", the professor is expected to coordinate the instruction on aeroplane-gasturbines. He will also carry responsibility for some capita selecta lectures, intended for students in the final phase of their studies. At present these comprise Optimal Trajectories, Performance of V/STOL planes including helicopters. He will also be charged with coaching and supervision of students in their graduating phase and some graduate students (a.i.o.'s).

The research task concerns the development of theoretical and experimental methods in the subject area of Aircraft Performance and Propulsion, possibly also Rocket Propulsion. Candidates have completed academic studies including a program leading to a Ph.D.-degree or equivalent training and experience. A good theoretical knowledge and proficiency in Flight Mechanics is combined with familiarity of the usage of computers and in data processing. Experience in the subjects of Performance and Propulsion should ap-

pear from publications and/or other qualifications in the indicated disciplines.

Successful applicants are expected to possess a strong commitment to teaching and be capable of effective and inspiring leadership. These abilities should have roots in experience and interest for the connections of the subjects Performance and Propulsion with other aeronautical disciplines as Aerodynamic design, Aerodynamics and Stability and Control. The professor should be able to maintain good easy contacts with aeronautical institutions in The Netherlands and abroad. Finally the professor should be prepared to accept some management and control tasks associated with this function and with the Department as a whole.

## ■ SALARY:

The salary will depend on age and experience. The appointment will be in accordance with the Government rules in The Netherlands.

Immediate admission to the government pension fund applies.

## ■ APPLICATIONS:

Applications should be sent within six weeks from the date of this announcement to the chairman of the appointment committee, prof.ir. E. Torenbeek, Delft University of Technology, Faculty of Aerospace Engineering, Kluyverweg 1, 2629 HS Delft, The Netherlands. A detailed curriculum vitae, a list of publications and the names of three references should be added to the application. Letters of recommendation will also be appreciated. Requests for more information should be addressed to the above mentioned person.

The Delft University of Technology provides degree programmes in 14 separate disciplines distributed over 12 faculties. It has about 13.000 students and employs a staff of almost 4.000.

Over 100 departments provide education and carry out scientific research. These activities are supported by a number of central services, namely the Central Library, the Computer Centre, the Central Electronics Service and the Administrative Office of the University.

**TU Delft**

**UNIVERSITY OF TECHNOLOGY**

