

## **Professor (with special responsibilities) in Transport Economics**

DTU Management Engineering at Technical University of Denmark invites applications for a position as Professor (with special responsibilities) in Transport Economics.

DTU Management Engineering is a department with the overall mission of contributing to research, development, and education within the following scientific areas: Systems Analysis, Management Science, Production and Service Management, Technology and Innovation Management, Transport Modelling, and Quantitative Sustainability Assessment.

The professor will be affiliated with the Systems Analysis Division, the Transport Economics Group.

The transport economics group has a disciplinary focus on economics with application in transportation and urban economics. We work with assessment of the economic effect of transport policies in various ways, using microeconomic theory and microeconometrics. We consider a range of policy instruments including capacity provision, metering, pricing and taxation, regulation of parking and information provision.

### **Responsibilities and tasks**

The new professor is expected to become the scientific leader and driving force in the group within research and within research-based public sector advice. We expect the professor to have the ability to motivate colleagues to be at their best and achieve ambitious goals.

The position includes leading ongoing research projects and developing new research fields and alliances, strengthening the research team, developing research applications and further accelerating the overall academic publication output within general economics, transport economics, and urban economics. In addition, the new professor is expected to manage and take a lead position in the division's contributions to public sector research-based advice within transport economics and appraisal of transport projects.

For the professor, it is an important part of the position to actively disseminate research as well as to engage in active dialogue with the Ministry of Transport, the transport sector and the general public.

The professor will participate in the development of relevant courses within transport and urban economics and related subjects. Supervising and supporting PhDs, BSc, MSc projects and early-career team members will also be a key task.

The professor is expected to participate in teaching at the BSc, MSc, and PhD levels. Candidates who do not speak Danish should be willing to learn Danish within the first two-three years in order to be able to teach in Danish.

The new professor is expected to establish relations with other research groups at DTU and especially at the department working with transport modelling. Furthermore, the new professor is expected to take a leading role in maintaining and further strengthening DTU's international and Danish networks and project partnerships with universities and other centres of excellence around the world.

### **Qualifications**

The new professor should have documented experiences from research, and teaching or research-based public sector advice in transport economics or urban economics with application to transport.

Candidates are expected to be able to demonstrate notable achievements within transport economic aspects related to, e.g.:

- Congestion, travel time (and travel time variability), and parking
- Transport and the economy, perspectives of urban economics, agglomeration/productivity, urban land use, and localization
- Car ownership, and taxation

Furthermore, the candidates must have the following qualifications:

- A high level of original scientific production at international level that has contributed to further development of the area in question. In particular, a strong track record of scholarly research on transport economics, urban economics and/or within related fields.
- Experience in designing and preparing successful applications for public or private funding of larger research projects.
- Documented experience in research management, including handling management assignments in national or international projects, research programmes, conferences etc.
- A significant contribution to teaching in transport economics or urban economics in several of the following areas: Successful completion of teaching, establishment of new courses, renewal of teaching activities, preparation of teaching materials, and supplementary pedagogical training.
- Experience in supervision and guidance of PhDs
- Innovative skills, the ability to generate new ideas
- The ability to communicate at all levels such as the provision of scientific advice to industry and/or public sector authorities as well as to the general public

### **Assessment**

In the assessment of the candidate, consideration will be given to

- Experience and quality of teaching and curriculum development
- Research impact and experience, funding track record, and research vision
- Societal impact
- Documented innovation activities, including commercialization and collaboration with industry
- International impact and experience
- Leadership and collaboration
- Communication skills

Consideration will also be given to:

- Experience within research-based public sector advise

### **We offer**

DTU is a leading technical university globally recognized for the excellence of its research, education, innovation and scientific advice. We offer a rewarding and challenging job in an international environment. We strive for academic excellence in an environment characterized by collegial respect and an academic freedom tempered by responsibility.

### **Salary and appointment terms**

The appointment will be based on the collective agreement with the Danish Confederation of Professional Associations. The allowance will be agreed with the relevant union.

The position is available for a 5-year period and may be extended for up to 3 years more. At the end of the period, the employee in question transfers to a position as associate professor at the university. More information can be found here: [Career paths at DTU](#).

### Further information

Further information may be obtained from Acting Head of Department Per Dannemand Andersen, tel.: +45 4525 4535, email: [pean@dtu.dk](mailto:pean@dtu.dk)

You can read more about DTU Management Engineering on [www.man.dtu.dk/english](http://www.man.dtu.dk/english).

### Application procedure

Please submit your online application no later than **XXX 2018 (Local time)**. Apply online at [www.career.dtu.dk](http://www.career.dtu.dk).

Applications must be submitted as **one PDF file** containing all materials to be given consideration. To apply, please open the link 'Apply online', fill in the online application form, and attach **all your materials in English in one PDF file**. The file must include:

- Application (cover letter) addressed to the President
- CV
- A vision for future research
- Views regarding teaching and research based on the 'Assessment' bullets
- Documentation of previous teaching and research based on the 'Assessment' bullets
- List of publications indicating scientific highlights
- H-index, and ORCID (see e.g. <http://orcid.org/>)
- Diploma (MSc/PhD)

Applications and enclosures received after the deadline will not be considered.

All interested candidates irrespective of age, gender, disability, race, religion or ethnic background are encouraged to apply.