

Professor in Engineering Systems

DTU Management Engineering at the Technical University of Denmark invites applications for a position as Professor in Engineering Systems.

The Professor is expected to also head the Production and Service Management division at DTU Management Engineering. The division for Production and Service Management encompasses 30 researchers and is one of the department's seven divisions, overall employing 250 persons including presently 70 PhD students.

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

Responsibilities and tasks

This position opening is part of a major effort in developing our research on complex socio-technical systems, i.e. engineering systems. New engineering and management approaches are needed, going beyond the capabilities that companies and project developers currently possess. In particular, there is a need to understand network-centric organizational and technical complexity, human behavior, risk and uncertainty, and resilience. We therefore in particular welcome applications from candidates with a strong research track record within at least one of the following areas: engineering systems, project and portfolio management, risk management, or management of production and service systems.

The professor is expected to further develop and lead the division of Production and Service Management. The division gathers a group of approximately 30 researchers, including 14 PhD and Postdoc organised in three groups: Engineering Systems, Risk Management, and Implementation & Performance Management. A group leader, who reports to the head of division, heads each group.

The Production and Service Management division values excellence throughout its research, consultancy, and educational activities. The division is characterized by a portfolio of research projects funded by major public and private research funds and authorities, research collaborations with national and international partners, and an increasing number of publications in recognized international academic journals.

As head of the Production and Service Management division, the professor also becomes part of the leadership team of DTU Management Engineering. The department leadership team, gathers division managers and the department management and is responsible for the overall development of DTU Management Engineering.

The candidate will take responsibility for developing the division's activities within engineering systems, risk management, and performance management. In particular, this position includes taking a leading role in developing and managing the division into a coherent, well-defined and excellent research community, developing research areas through research applications, and further accelerating the overall academic publication output. Supervising and supporting PhDs and early career team members will be central

tasks. As a head of division strong commitment to the overall development of the department is also expected.

The new professor is also expected to manage and take a lead position in the division's contributions to research-based teaching with associated examination commitments at the bachelor-, master- and PhD levels.

Besides the central research and teaching tasks, DTU professors are encouraged to engage in innovation (e.g., industrial collaborations for developing new products) and/or research-based public sector consultancy. Dissemination of research results to the broader public as well as contributions to the university's executive programs is very welcomed.

The candidate is offered the opportunity to become engaged in DTU's Global Decision Support Initiative hosted by DTU Management Engineering. This initiative gathers research groups across DTU from Civil and Environmental Engineering, Computer Science, Food to Transport with an ambition to create an interdisciplinary knowledge center for risk- and sustainability-informed decision support.

Qualifications

We expect candidates to have academic qualifications equivalent to those obtained by holding a full professorship:

- Hold a PhD degree (or equivalent) in management or engineering.
- A high level of original scientific production at international level that has contributed to further development of the subject area in question. In particular, a strong track record of scholarly research on engineering systems, risk management, complex networks, project management, or a closely related field is expected.
- Strong analytical skills and significant skills in empirical research methods.
- Documented and successful education experience at different levels within the university's study programmes, including and in particular at PhD level.
- 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.
- Documented experience from management positions in academia or industry.
- Experience in supervision and guidance of PhDs and research teams.

Assessment

In the assessment of the candidates consideration will be given to

- the ability to teach
- scientific production at international level, research potential and ability to lead and develop a research team
- the ability to promote and utilize research results
- experience with innovation activities
- an all-round experience basis, including international experience
- the ability to contribute to the development of the Department's internal and external cooperation
- track record in attracting funding to the research area

- visions within the research area

For the specific position consideration will also be given to:

- experience in managing a larger research group and developing the academic profile of research groups
- experience in supporting and guiding young and mid-career faculty in their continued career development.

Salary and terms of employment

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

Further information

Further information may be obtained from Head of Department Søren Salomo, tel.: +45 4525 4409, sors@dtu.dk.

You can read more about DTU Management Engineering on www.man.dtu.dk

Application procedure:

Please submit your online application no later than **XXX 2014**. Apply online at 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
- List of publications indicating scientific highlights
- Documentation of teaching experience
- A plan for future research

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