Professor in Photonics Technology Innovation

DTU Fotonik, the Department of Photonics Engineering, at the Technical University of Denmark invites applications for a position as Professor with special assignments (MSA) in Photonics Technology Innovation.

Responsibilities and tasks
The activities of the professor will include innovation and research in the field of photonics technologies, patenting and licensing, high-tech company building, fundraising, and dissemination. DTU Fotonik is continuously working with a variety of proprietary technologies with commercial potential. The professor must be able to screen technologies for potential spin-off companies, set initial entrepreneurial teams, provide business mentoring, and attract first customer and start-up financing. The activities will further include building Danish and international innovation networks, and to seek best practices world-wide and to adapt these to the department's activities.

The applicant must contribute significantly to building a world-leading innovation culture at DTU. It will, therefore, be of importance that the applicant shows a strong interest and ability to develop innovation activities across the research clusters of DTU Fotonik, and engages in collaboration with other departments and central organizations at DTU. Hence, the applicant must be able to formulate models for innovation that will benefit both DTU Fotonik and the university as a whole. Also, the applicant must have excellent collaboration skills in order to contribute and implement efficient innovation models at DTU. The successful candidate will be responsible for supervising PhD students and must participate in the teaching of bachelor and master students.

Qualifications
The applicant must have a background within the research area of DTU Fotonik in order to engage in detailed technical discussions with the scientific staff of the department. The applicant must further be self-driven and have proven successful innovation experience, capability for cooperation with external industrial partners in Denmark and internationally, as well as the ability to work across the Danish university environment, as well as with Danish government and funding bodies.

The applicant must be internationally recognized with documented research and business management experience in several of the following areas:

- Research within photonics
- University spin-out companies
- European, US and Asian research and product development collaborations
- Venture capital and business angel investments
- Sale and marketing of early-technology products
- Patents and licensing
- Innovation dissemination
- Setting teams for high-tech entrepreneurial ventures
- Mentoring of entrepreneurs with research-background

Assessment
In the assessment of the candidates consideration will be given to

- 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
- the ability to teach
- 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 and innovation area
- track record for commercialisation of research results, including protection of intellectual property
- track record for fostering collaboration with industry

For the specific position consideration will also be given to:

- high-tech business development
- experience and insight to the Danish photonics industry
- international experience in conference and committee work
- patenting, licensing and technology transfers
- visions within the innovation area

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 Lars-Ulrik Aaen Andersen, tel.: +45 4525 3816.

You can read more about DTU Fotonik on www.fotonik.dtu.dk

Application procedure:
We must have your online application by **XXX 2013**. 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 innovation experience
- Documentation of teaching experience
- A plan for future innovation and research

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