

The Faculty of Engineering Design, Production Engineering and Automotive Engineering at the University of Stuttgart invites applications for the position of a

**Professor of „Optical Design and Simulation“**

the chair will be established at the Institute of Applied Optics with financial support from a founder consortium of the optical industry.

The field of teaching covers courses on optical design, optical system components, simulation technologies and numerical methods in optics. Corresponding courses are expected as contributions to the degree programs of mechanical engineering and especially for the new BSc-MSc degree program on medical engineering.

The research at the new chair is devoted to the theory and applications of imaging and illumination systems. A special focus will be the investigations and implementations of modern design concepts for components and systems in metrology, sensor technology, laser material processing, medical engineering and lithography. Aspects of the holistic and rigorous simulation of the incoherent, partially coherent and coherent propagation of light are also emphasized in consideration of the influences of polarisation, geometrical structure, and material.

The university looks for a personality with scientific reputation and practical experience in the field of optical design.

The requirements for employment listed in § 47 and § 50 Baden-Württemberg university law apply.

Written applications should be sent no later than 6. April 2010 to the Dean of the Faculty of Engineering Design, Production Engineering and Automotive Engineering, Universität Stuttgart, Pfaffenwaldring 9, 70569 Stuttgart, Germany.

The University of Stuttgart wishes to increase the share of female academic staff and especially welcomes applications from women. Handicapped persons will be given preference in case of equal qualification.