



## Czarske named SPIE Fellow

Prof. Juergen Czarske, an electrical engineer, physicist and lab leader at the TU Dresden in Germany was recently promoted to the rank of Fellow of SPIE, the international society for optics and photonics, Bellingham, WA, USA. According to the society, Czarske was promoted to SPIE Fellow "for his specific achievements in optical metrology and engineering" at December 16, 2015. The recognition and the plaque will be presented at the Photonics West Fellows Luncheon in San Francisco, CA, USA, February 15, 2016.

Each year, SPIE promotes members as new Fellows of the Society. Only approximately 0.4 percent of the entire SPIE membership can be selected as Fellows per year. Fellows are Members of distinction who have made significant scientific and technical contributions in the multidisciplinary fields of optics, photonics, and imaging. They are honored for their technical achievement, for their service to the general optics community, and to SPIE in particular.

Czarske has made many significant contributions to the field of laser measurement techniques. A prolific author and conference speaker, Czarske has presented and co-presented more than 650 publications and talks. He has served in many program committees for international conferences (e.g. in Singapore and Brussels), and has been a conference chair and board member of professional organizations (e.g. German Research Foundation and German Association of Laser Anemometry).

Czarske has invented world-first breakthroughs on measurement systems and instrumentation since 31 years. Numerous outstanding achievements on novel metrology, addressing both technical and scientific areas, include energy, environment (green photonics), aerospace, health, biomedicine, information technologies and production techniques (in-situ real-time 3D monitoring in lathes). For his research he has garnered many prestigious international awards and grants. Czarske leads an active group of engineers and scientists and teaches fundamental and advanced topics to huge number of students. He aimed to transfer his knowledge for ensuring the continuation and future of laser sensing techniques.

SPIE is the international society for optics and photonics, a not-for-profit organization founded in 1955 to advance light-based technologies. The Society serves more than 235,000 constituents from approximately 155 countries, offering conferences, continuing education, books, journals, and a digital library in support of interdisciplinary information exchange, professional growth, and patent precedent.