



For immediate release

## Huikai Xie Elected SPIE Fellow

BELLINGHAM, WA, USA —XX January 2018 -- SPIE will promote 73 new Fellows of the Society this year, to recognize the significant scientific and technical contributions of each in the multidisciplinary fields of optics, photonics, and imaging. SPIE Fellows are honored for their technical achievements and for their service to the general optics community and to SPIE in particular. More than 1,300 SPIE members have become Fellows since the Society's inception in 1955.

The annual recognition of Fellows provides an opportunity for SPIE to acknowledge Members for their outstanding technical contributions and service to SPIE.



**Huikai Xie**, University of Florida, United States, for achievements in optical MEMS and optical endoscopic imaging

Xie has made major contributions in the development and understanding of the microelectro-mechanical systems (MEMS) community and has made remarkable contributions in both core MEMS technology and MEMS applications, especially in the optical MEMS field. He was the first to demonstrate MEMS-based optical coherence tomography endoscopic imaging, which opened a new field of optical microendoscopy. Additionally, his group developed a series of MEMS endoscopic fiber-optic probes that overcame issues such as high drive voltage, low fill factor and small scan angle of other MEMS probes.

He has given extensive service to the optics community. He is active in multiple professional societies, including IEEE and OSA. He has been serving on the steering committee of the IEEE Optical MEMS and Nanophotonics conference for more than eight years. He has been the Optical Sensors track chair for the IEEE Sensors conference for the past two years. He served as the vice president and president of the IEEE Gainesville Section for several years. He is also an editor for several international journals, including the *IEEE Sensors Letters*, the *International Journal of Optomechatronics*, the *Active and Passive Electronic Components*, *Encyclopedia of Nanotechnology*, and *Micromachines*. He has served as a member of many technical conference committees. His research lab at UF hosts high-school students every summer to attract more students into STEM fields. He has received many honors and awards. Among them are several best paper and best poster awards from IEEE. He is a fellow of IEEE.

Xie's service to SPIE has been significant. He has delivered two invited talks at Photonics West and has published more than 20 papers in SPIE conferences and journals, including the Photonics West conference and the *Journal of Biomedical Optics*. He served as a technical program committee member for numerous SPIE conferences. He has been a co-chair of three SPIE cosponsored conferences in China.

**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.

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