Workshop on microscopy, biology, medicine, and advanced CMOS imagers

Fry, Nov 20, 2015

IST2015-64  [Invited Talk] 3D measurement using light field microscopy with improved resolution
-------------- Shin Usuki, Yuki Ohashi, Kenjiro T. Miura (Shizuoka Univ.)---  1

--- A Decade of CMOS single-photon image sensors ---
--------------------------------------------- Edoardo Charbon (TU Delft)---  3

IST2015-66  [Invited Talk] Super-resolution microscopy using nonlinear light emission
----------------------------------------- Katsumasa Fujita (Osaka Univ.)---  7

IST2015-67  [Invited Talk] Establishment of adaptive optics microscopy for fine live imaging during the stem-cell formation in plants
-------------- Yosuke Tamada, Masayuki Hattori (Natl. Inst. Basic Biol.)---  9

IST2015-68  [Invited Talk] Multipoint confocal fluorescence correlation spectroscopy using a fast and high sensitive CMOS camera
--- Johtaro Yamamoto (Hokkaido Univ.), Keiichiro Kagawa, Shoji Kawahito (Shizuoka Univ.), Masataka Kinjo (Hokkaido Univ.)--- 13

IST2015-69  [Invited Talk] Development of multi-tap CMOS lock-in pixel imager with a high time-resolution for time-resolved measurements
---------- Min-Woong Seo, Keiichiro Kagawa, Keita Yasutomi, Zhuo Li, Shoji Kawahito (Shizuoka Univ.)--- 17

IST2015-70  [Invited Talk] Nonlinear Raman microscopy for biomedical applications
---------- Mamoru Hashimoto (Osaka Univ.), Shoji Kawahito (Shizuoka Univ.)--- 21

Sponsored by
Technical Group on Information Sensing Technologies (IST), the Institute of Image Information and Television Engineers (ITE)

In cooperation with
Group of Information Photonics (Optical Society of Japan) +CMOS Working Group, IEEE SSCS Japan Chapter, and IEICE Technical Committee on Integrated Circuits and Devices (ICD)