

Institute Lecture



Prof. Tahei Tahara

Molecular Spectroscopy Laboratory, RIKEN, Japan

Wonder world seen with light



@ 6:15 pm | March 1, 2019

Venue: L16, LHC

About the talk:

When we can see what we could not see before, new science emerges. Spectroscopy is the “eyes” of modern science, and hence it plays essential roles in its frontier. In particular, the recent advance of ultrafast laser technology has enabled us to utilize ultrashort optical pulses as short as 10 femtoseconds in a variety of spectroscopies. The short duration of such ultrashort optical pulses allows us to track chemical changes occurring in the femto/picosecond time scale, and the high peak power allows us to selectively observe molecules at the interface region as thin as 1 nm using nonlinear spectroscopy. In this lecture, I will talk about the wonder world of molecules seen with the most advanced spectroscopy.

About the Speaker:

Dr. Tahei Tahara is currently the Director of Molecular Spectroscopy Laboratory at RIKEN, Japan. He is also a Visiting Professor of Saitama University and Tokyo Institute of Technology, and a Distinguished Visiting Professor at the Indian Institute of Technology Bombay. His research interests include ultrafast spectroscopy, nonlinear spectroscopy and single molecule spectroscopy of complex molecular systems. Dr. Tahar had received numerous awards and honors for his contributions to the field of spectroscopy. These include Award of Research Foundation for Opto-Science and Technology (1995), Morino Science Award (2000), TRVS Young Researcher Award (2001), IBM Japan Science Prize (2004), the JSPS Prize (2006), CSJ Award for Creative Work (2012), the Commendation for Science and Technology by MEXT (Prize for Science and Technology) (2017) and the Spectroscopic Society of Japan Award (2017)

All are invited to attend
Dean of Research and Development