

PROGRAM

Jan. 25 (Mon.)

Opening		Chair: Yushi Kaneda (UA)
13:30-13:40(10)	Opening address	Makoto Gonokami (UTokyo)
13:40-13:50(10)	Opening address	Hiroshi Ikukawa (MEXT)
13:50-14:10(20)	ERATO Project Summary & Workshop Scope Hidetoshi Katori (UTokyo/RIKEN)	
Session 1: Optical Lattice Clocks		Chair: Feng-Lei Hong (YNU)
14:10-14:50(40)	Optical Atomic Clocks: Towards a New Definition of the Second Fritz Riehle (PTB)	
14:50-15:20	Coffee Break	
15:20-16:00(40)	Making the world's best atomic clock Jun Ye (JILA)	
16:00-16:40(40)	Development of a mercury optical lattice clock at LNE-SYRTE Sébastien Bize (LNE-SYRTE)	
16:40-17:05(25)	Cryogenic optical lattice clocks and frequency comparison between the clocks Masao Takamoto (RIKEN)	
17:10-19:30	Poster Session	

Jan. 26 (Tue.)

Session 2: Clocks and Applications		Chair: Masami Yasuda (AIST)
9:30-10:10(40)	Precision measurements in gravitational physics with Sr atom interferometers and optical clocks Guglielmo Tino (Univ. of Firenze)	
10:10-10:35(25)	Relativistic geodesy in plate subduction zones –applications to crustal deformation monitoring Yoshiyuki Tanaka (UTokyo)	
10:35-11:00(25)	Remote frequency comparison of cryogenic optical lattice clocks Tetsushi Takano (UTokyo)	
11:00-11:25(25)	Intermittent operation of an optical lattice clock toward the redefinition of the second Tetsuya Ido (NICT)	
11:25-14:30	Commemorative photography & Lunch	
Session 3: New Tools and Fundamental Physics		Chair: Kosuke Yoshioka (UTokyo)
14:30-14:55(25)	Precise frequency measurement using optical frequency comb Hajime Inaba (NMIJ/AIST)	
14:55-15:20(25)	¹⁹⁹ Hg optical lattice clocks and frequency ratio measurement of ¹⁹⁹ Hg and ⁸⁷ Sr optical lattice clocks Noriaki Ohmae (UTokyo)	
15:20-16:00(40)	Precision Spectroscopy of Atomic Hydrogen and the Proton Size Puzzle Thomas Udem (MPQ)	
16:00-16:20	Coffee Break	
Session 4: New Tools and Fundamental Physics		Chair: Kazuhiko Sugiyama (Kyoto Univ.)
16:20-17:00(40)	Precision measurements for tests of Lorentz symmetry and search for α -variation Marianna Safronova (Univ. of Delaware)	
17:00-17:25(25)	Searching for Dark Matter with Atoms, Molecules and Nuclei Yevgeny Stadnik (Univ. of New South Wales)	
17:25-18:05(40)	High-Precision Investigation of the Fundamental Properties of the Antiproton and the Proton Stefan Ulmer (RIKEN)	
18:10-20:30	Poster Session & Networking forum	