Asia Pacific Workshop on Time and Frequency 2021
(ATF2021 On-line Workshop)

November 11, 2021 (01:00 ~ 08:15)

Opening (01:00-01:05 UTC) Dr. Huang-Tien Lin, TL	
Section-I Time and Frequency Dissemination and Calibration Chair: Dr. Michael Wouters, NMIA (01:05~ 03:45 UTC)	
01:05-01:25	**1. THz Frequency Counter based on a Semiconductor-Superlattice Harmonic Mixer with 4-Octave Measurable Bandwidth and 16-Digit Precision** *S. Nagano, M. Kumagai, H. Ito, Y. Hanado and T. Ido*
01:25-01:45	**2. Providing an auditing service with the OpenTTP** *Ahmad Sahar Omar, E Louis Marais*
01:45-02:05	**3. Microwave Frequency Generation up to 70 GHz Using Er-Doped Fiber Optic Frequency Comb** *Tien-Kuan Tseng, Po-Cheng Chang*
Coffee Break (02:05~02:25, 20 min)	
02:25-02:45	**4. Characterization and upgradation of indigenously developed telephone time dissemination system** *Navraj Poudel, Suchi Yadav, Aishik Acharya, Vijay N. Ojha, Amitava S. Gupta, Poonam Arora*
02:45-03:05	**5. Timing Traceability Links between Two Timescales** *Mahavir P.Olaniya, Suchi Yadav*, Preeti Kandpal, Ashish Agarwal*
03:05-03:25	**6. Novel approach to synchronize National Informatics Centre (NIC) network with IST over IOT framework** *Pranalee Premdas Thorat, T Bhardwaj, P Kandpal , Ravinder Agarwal and D. K Aswal*
03:25-03:45	**7. Automatic Frame Selection for Calibration of Stopwatches based on Video Totalize Method** *Cliff S.H. Wong, C.M. Tsui, Steven S.L. Yang,*
Lunch Break (03:45 ~ 05:00)	
Section-II Time and Frequency Standard and T/F Transfer Chair: Dr. Tetsuya Ido, NICT (05:00~ 08:15 UTC)	
05:00-05:30	**1. (Invited) A narrow-linewidth and frequency-stabilized laser at the telecom wavelength for the realization of an "optical H-maser"** *Feng-Lei Hong*
05:30-06:00	**2. (Invited) Sr optical lattice clocks at NIM** *Yige Lin, Qiang Wang , Tao Yang, Ye Li, Fei Meng, Bingkun Lu, Lin Zhu, Baike Lin,*

	Tianchu Li, Zhanjun Fang
06:00-06:20	**3. On-chip optical frequency reference with a self-stabilized soliton microcomb** *Jae Hoon Lee, In Hwan Do, Hansuek Lee, Hyun-Gue Hong, Jungwon Kim, Kyoungsik Yu, Dai-Hyuk Yu*
06:20-06:40	**4. Contribution to International Atomic Time by the nearly continuous operation of an Yb optical lattice clock** *T. Kobayashi, D. Akamatsu, K. Hosaka, Y. Hisai, A. Nishiyama, A. Kawasaki, M. Wada, H. Inaba, T. Tanabe, F.-L. Hong, and M. Yasuda*
Coffee Break (06:40~07:00, 20 min)	
07:00-07:30	**5. (Invited) The Navigation with Indian Constellation and its applications in Time Transfer** *Amitava Sen Gupta*
07:30-07:50	**6. Intercontinental frequency link via broadband very long baseline interferometry** *Mamoru Sekido, Marco Pizzocaro, Nils Nemitz, Monia Negusini, Kazuhiro Takefuji, Hideki Ujihara, Tetsuro Kondo, Cecilia Clivati, Federico Perini, Hidekazu Hachisu, Julia Leute, Gerárd Petit, Davide Calonico, and Tetsuya Ido*
07:50-08:10	**7. GNSS time transfers in the national positioning infrastructure** *Thayathip Thongtan*
Closing	Dr. Huang-Tien Lin, TL