2022 TAIWAN-AMERICAN VACUUM SOCIETY (AVS) SYMPOSIUM:
Exploring the emergent properties of advanced materials with synchrotron-based spectroscopy

美國真空協會台灣分會:利用同步輻射能譜技術探索先進材料的新興特性

25 January 2022 (Tuesday)
General Hall 3F/International Conference Hall
綜合館 3F 國際會議廳

Session I **Time zone (UTC+8)**

Time	Events
08:50	**Opening Remarks**
	Session Chair: Cheng-Maw Cheng
09:00	**Multi-dimensional doping of topological Kondo insulator SmB_6 with ARPES spectromicroscopy** *L. Andrew Wray, New York University, USA (Local time : 20:00 Mon, 24 Jan, NY)*
09:30	**Micro-ARPES study of novel topological materials** *Takafumi Sato, Tohoku University, Japan (Local time : 10:30, Sendai)*
10:00	**Electronic structure studies of atomically thin 4*d*/5*d* transition metal oxide films by angle resolved photoemission spectroscopy** *Changyoung Kim, Seoul National University, Korea (Local time : 11:00, Seoul)*
10:30	**Evolutions of Dirac Fermions in Atomic Layers** *Iwao Matsuda, University of Tokyo, Japan (Local time : 11:30, Tokyo)*
11:00	**Plenary Talk & Lunch**

Session II **Time zone (UTC+8)**

	Session Chair: Ashish Chainani
13:00	**Present status of UVSOR photoelectron momentum microscope: a case study for the molecular film** *Satoshi Kera, UVSOR Synchrotron Facility, Institute for Molecular Science, National Institutes of Natural Sciences, Japan (Local time : 14:00, Nagoya)*
13:30	**Recent status of a soft X-ray photoemission electron microscope end-station at the Taiwan Photon Source** *Tzu-Hung Chuang, NSRRC, Taiwan*
13:50	**Weyl Fermions in chiral crystals** *Alberto Crepaldi, Politecnico di Milano, Italy (Local time : 06:50, Milan)*

14:20	**Optimizing high harmonic generation EUV source for Tr-ARPES by multiple-plate continuum technique** *Ping-Hui Lin, NSRRC, Taiwan*
14:40	**Coffee break**

Session III **Time zone (UTC+8)**

Time	Events
	Session Chair: Ro-Ya Liu
16:50	**Soft x-ray spectroscopy studies of ferromagnetic semiconductor : A materials perspective for carrier-induced ferromagnetism** *Masaki Kobayashi, University of Tokyo, Japan (Local time : 17:50, Tokyo)*
17:20	**In operando electronic structure of 2D material devices** *Søren Ulstrup , Aarhus University, Denmark (Local time : 10:20, Aarhus)*
17:50	**Frontiers in spin-resolving momentum microscopy: from magnetism to topology** *Christian Tusche, Forschungszentrum Jülich, Germany (Local time : 10:50, Jülich)*
18:20	**Closing Remarks**
18:30	**Banquet**