PL: Plenary Lecture IL: Invited Lecture

11/21 Mon.			
12:00 - 13:10	Registration		
13:10 - 13:40	Opening Remark		
13:40 - 14:25	PL 1	Michael Grätzel	Mesoscopic photosystems for the generation of electricity and fuels from sunlight
14:25 - 14:55	IL 1	Prashant V. Kamat	Tuning the excited state chemistry in mixed halide lead perovskites
14:55 - 15:25	IL 2	James Durrant	Charge carrier dynamics in organic solar cells employing non-fullerene acceptors
15:25 - 15:55	IL 3	Tzung-Fang Guo	Nickel oxide electrode interlayer in perovskite-based hybrid solar cells and light-emitting diodes
15:55 - 16:30	Coffee Break		
16:30 - 17:15	PL 2	Nam-Gyu Park	Multifunctional organic-inoragnic halide perovskites
17:15 - 17:45	IL 4	Udo Bach	Perovskite back-contact solar cells
17:45 - 18:15	IL 5	Seigo Ito	Stability of perovskite solar cells using porous carbon electrodes
18:15 - 20:00	Welcome Party		

11/22 Tue.			
8:00 - 9:00	Registration		
09:00 - 9:45	PL 3	Yuan-Pern Lee	Research highlights of Prof. M. C. Lin and S. H. Lin and my research inspired by them
09:45 - 10:15	IL 6	Kuei-Hsien Chen	Solution/vacuum processes on the growth of earth-abundant Cu_2ZnSnS_4 absorber layers for thin film solar cells
10:15 - 10:35	Coffee Break		
10:35 - 11:05	IL 7	Tim Lian	Efficient hot electron transfer by plasmon induced interfacial charge transfer transition
11:05 - 11:35	IL 8	Craig L. Hill	Robust, tunable catalysts and systems for solar fuels
11:35 - 12:05	IL 9	Hsisheng Teng	Oral graphene oxide quantum dots for photocatalytic hydrogen evolution reactions
12:05 - 13:35	Lunch & Poster session		
13:35 - 14:05	IL 10	Alessandro Troisi	Modelling excitonic solar cells: bottom up and top down approaches
14:05 - 14:35	IL 11	Chun-Wei Pao	Multiscale molecular simulation of small molecule organic solar cells
14:35 -14:55	Oral 1	Yan-Gu Lin	Metal oxide nanoheterostructures: interfacial charge carrier dynamics and solar hydrogen generation
14:55 - 15:25	IL 12	Cherri Hsu	Singlet fission and interfacial charge transfer in solar cells
15:25 - 15:55	IL 13	Bin Hu	Effects of spin states on photovoltaic processes in Pb and Sn based perovskite solar cells
15:55 - 16:15	Coffee Break		
16:15 - 16:45	IL 14	Minh Tho Nguyen	A theoretical search for n-type semiconducting materials
16:45 - 17:15	IL 15	Jyh-Chiang Jiang	First-principles study of sensitizers for dye sensitized solar cells: Effects of adsorption modes and anchoring groups
17:15 - 17:45	IL 16	Carlito S. Ponseca	Transient photoconductivity measurements on organometal halide perovskites
17:45 - 18:05	Oral 2	Kamlesh Awasthi	Stark spectroscopy of absorption and photoluminescence of perovskite nanocrystals
18:05 - 20:30	Banquet		

11/23 Wed.			
8:00 - 9:00	Registration		
09:00 - 9:45	PL 4	Anders Hagfeldt	The versatility of mesoscopic solar cells
09:45 - 10:15	IL 17	Wan In Lee	Development of new components for next-generation perovskite solar cells
10:15 - 10:35	Coffee Break		
10:35 - 11:05	IL 18	Alex K.-Y. Jen	Rational material design, interface, and device engineering for high-performance perovskite solar cells
11:05 - 11:35	IL 19	Chain-Shu Hsu	Crosslinkable fullerene derivatives for thermally stable polymer and perovskite solar cells
11:35 - 12:05	IL 20	Chun-Guey Wu	A process to high efficiency stable perovskite solar module
12:05 - 13:35	Lunch & Poster session		
13:35 - 14:05	IL 21	Tsutomu Miyasaka	High performance and stable perovskite solar cells by low temperature-based material development
14:05 - 14:35	IL 22	Neil Robertson	New materials for hybrid photovoltaics
14:35 -14:55	Oral 3	Tzu-Chien Wei	Plastic perovskite solar cell using low temperature processable electrodeposited TiO_2 blocking layer and brookite TiO_2 scaffold with >14% conversion efficiency
14:55 - 15:25	IL 23	Satoshi Uchida	High capacitance perovskite solar cells rationalized with surface boundary
15:25 - 15:55	IL 24	Yi-Bing Cheng	Control of nucleation and growth in organic–inorganic hybrid perovskite solutions
15:55 - 16:15	Coffee Break		
16:15 - 16:45	IL 25	Peter K. J. Robertson	Engineering photocatalysis for solar energy conversion/storage and environmental applications
16:45 - 17:15	IL 26	Liyuan Han	Efficient and stable large-area perovskite solar cells
17:15 - 17:45	IL 27	Takurou N. Murakami	Surface engineering on TiO_2 for the dye-sensitized and perovskite solar cells
17:45 - 18:15	IL 28	Adrian Fisher	Bioenergy applications of microengineered electrochemical systems
18:15 - 20:00	Special Dinner		

11/24			
Thu.			
8:00 - 9:00	Registration		
09:00 - 9:45	PL 5	Natalie Stingelin	Organic photovoltaics: challenges and opportunities
09:45 - 10:15	IL 29	Wei-Fang Su	Formation mechanism and control of perovskite films from solution to crystalline phase studied by in-situ synchrotron scattering
10:15 - 10:35	Coffee Break		
10:35 - 11:05	IL 30	Hiroshi Imahori	Molecular strategy for solar energy conversion
11:05 - 11:35	IL 31	Hwan Kyu Kim	Recent progress on materials development for next generation solar cells
11:35 - 12:05	IL 32	Jiann-T'suen Lin	Organic sensitizers for high performance dye-sensitized solar cells
12:05 - 13:35	Lunch		
13:35 - 14:05	IL 33	Kai Zhu	Controlling perovskite structure and grain morphology for high-efficiency perovskite solar cells
14:05 - 14:35	IL 34	Lioz Etgar	Two Dimensional organic-inorganic perovskite from nanostructures to solar cells
14:35 -14:55	Oral 4	Yaw-Wen Yang	Investigation of light soaking effect in perovskite solar cells
14:55 - 15:25	IL 35	Shuzi Hayase	Interface architecture between TiO_2/perovskite, perovskite/hole transport layer, and perovskite grain boundary
15:25 - 15:55	Closing Remark		