

4/27/2024	
11:00 – 14:20	Registration (at 蝴蝶谷溫泉渡假村 Butterfly Valley Resort)
14:20 – 14:25	Opening Remark Session Dr. Yung-Kang Kuo Dr. Yang-Yuan Chen
Section I: Thermoelectric Materials & First Principle Calculations	
Section III: Nanostructures, Chalcogenides & Skutterudites	
Chairman: Dr. Sinn-wen Chen	
14:25 – 14:50	SIII:1, SnS for Thermoelectric Applications Dr. Kuei-Hsien Chen, Institute of Atomic and Molecular Sciences, Academia Sinica
14:50 – 15:15	SI:1, Revisiting photovoltaic organic/perovskite semiconductors for thermoelectrics Dr. Ziqi Liang, Department of Materials Science, Fudan University, China
15:15 – 15:35	SI:2, N-type Bi ₂ Te ₃ Crystals with high Thermoelectric Performance Near Room Temperature Dr. Hsin-Jay Wu, National Yang Ming Chiao Tung University
15:35 – 15:55	SI:3, Why do doped GeTe compounds have ultra-high zT of up to 2.7? Dr. Yang-Yuan Chen, Institute of Physics, Academia Sinica
15:55 – 16:35	Coffee & Snacks, Board Meeting (理監事會議), and General Meeting of Members (會員大會) (accompany persons check in)
16:35 – 18:30	Poster (participants check in)
18:30 – 20:00	Dinner (at 蝴蝶谷溫泉渡假村 Butterfly Valley Resort)
20:00 –	Lighting bug festival, 20:00 at lobby (賞螢導覽，晚上8點在大廳集合，如遇雨天活動暫停)

4/28/2024

06:30-09:00

Breakfast (at 蝴蝶谷溫泉渡假村 Butterfly Valley Resort)

Section I: Thermoelectric Materials & First Principle Calculations

Section II: Generators, Modules and Films

Chairman: Chien-Neng Liao

09:00 – 09:25

SI:4, Exploring diffusion behavior of materials with mobile atoms using machine-learning interatomic potentials

Dr. Ching-Ming Wei, Institute of Atomic and Molecular Sciences, Academia Sinica

09:25 – 09:50

SI:5, Understanding of liquation through phase diagrams

Dr. Sinn-wen Chen, Department of Chemical Engineering, National Tsing Hua University

09:50 – 10:10

SII:1, A three-probe method for accurate thermal transport measurements at the nanoscale

Dr. Chih-Wei Chang, Center for Condensed Matter Sciences, National Taiwan University

10:10 – 10:30

SII:2, Thermoelectric properties of armchair graphene nanoribbons with array characteristics

Dr. g-Ting Kuo, Electrical Engineering, National Central University

10:30 – 10:50

Coffee Break & Check Out

Section III: Nanostructures, Chalcogenides & Skutterudites

Chairman: Albert T. Wu

10:50 – 11:10

SIII:2, Recent advances in half-Heusler thermoelectrics

Dr. Phuoc Huu Le, Center for Plasma and Thin Film Technologies, Ming Chi University of Technology

11:10 – 11:25

SIII:3, Unveiling the effect of Aging on the Crystallinity and Thermoelectric Performance of GeTe Thin Films

Mr. Jyun-Yong Huang, Department of chemical and Materials Engineering, National Central University

11:25 – 11:40

SIII:4, Cation modulation Fulfilled High Performance of Single-leg Thermoelectric Efficiency in AgSbTe₂

Mr. Bo-Chia Chena, Department of Materials Science and Engineering, National Yang Ming Chiao Tung University

11:40 – 11:55

SIII:5, Enhancing Thermoelectric Performance of Tin Monosulfide (SnS) through Anisotropic Optimization and Co-Doping Strategies

Mr. Muhammad Yusuf Fakhri, Academia Sinica

11:55 – 12:30

Close Remark & Lunch (at 蝴蝶谷溫泉渡假村 Butterfly Valley Resort)

12:30 – 15:30

Visit Fuyuan National Forest Recreation Area

15:30 –

To Hualien Train Station