

Phase Diagram and Thermodynamics Committee- Materials Research Society - Taiwan

1. 11th Taiwan Phase Diagrams (TAPHAD) Conference:

Feb. 4th, 2023 at National Taipei University of Technology, Taipei, Taiwan.

11th Taphad meeting

9 universities; 11 labs; 78 participants



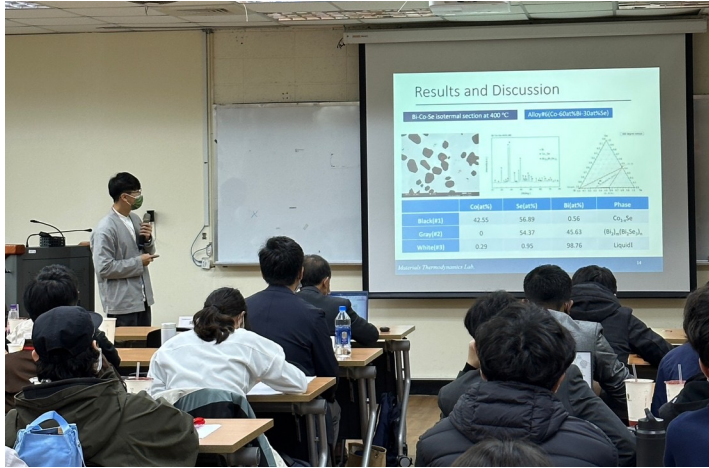
2023 第 11 屆 臺灣相圖會議議程 (11th TAPHAD)

日期:2023 年 02 月 04 日(六)

地點:北科大綜合科館 115 廳

時間	議程	主持人
09:00-09:20	報到&張貼海報	
09:20-09:40	開幕&大合照	林哲宇老師
09:40-10:00	國立清華大學化工系-陳信文老師 Understanding peculiar material behaviors through phase diagrams	林宜蓁
10:00-10:20	國立陽明交通大學材料系-黃爾文老師 材料知識競賽活動分享 & 非平衡擴散研究交流	林宜蓁
10:20-10:35	國立臺灣科技大學材料系-顏怡文老師實驗室-邱翔郡 Solid/Solid State Interfacial Reactions Between Lead-free Solders and Cu-Ti Alloy(C1990 HP)	謝東霖
10:35-10:50	國立成功大學材料系-林士剛老師實驗室-邱鈺甯 高熱穩定性鋁合金設計與開發：第一原理計算	謝東霖
10:50-11:05	國立成功大學材料系-林士剛老師實驗室-顏紹宇 High-throughput CALPHAD-assisted design of bcc/B2 Al-Co-Cr-Mo-Ti refractory high entropy superalloy	劉子源
11:05-11:20	國立臺北科技大學機械系-林哲宇老師實驗室-胡冠傑 Effect of roughness and clamping force on contact area formation in copper-copper by ultrasonic welding	劉子源
11:20-12:00	Poster session	
12:00-13:30	午餐及研究交流	
13:30-13:45	國立清華大學化工系-陳信文老師實驗室-楊賀程 Co/Biz(Se,Te) ₃ 界面反應與 Co-Bi-Se-Te 四元系統相平衡	林宜蓁
13:45-14:00	國立臺灣科技大學機械系-蔡秉均老師實驗室-王成滿 Molten Salt-aided Growth of Single-crystalline NMC Cathode Particles for Li-ion batteries 國立臺灣科技大學機械系-蔡秉均老師實驗室-楊景森 Ab-initio Study of the Structure and Electrochemical Stability of Li ₆ PS ₅ Cl Superionic Conductor	林宜蓁
14:00-14:15	國立東華大學材料系-紀沃德老師實驗室-柳又云 利用 TGA/DSC 同步熱分析儀測量 Sb ₂ Te ₃ 的熔點和熔化焓	謝東霖

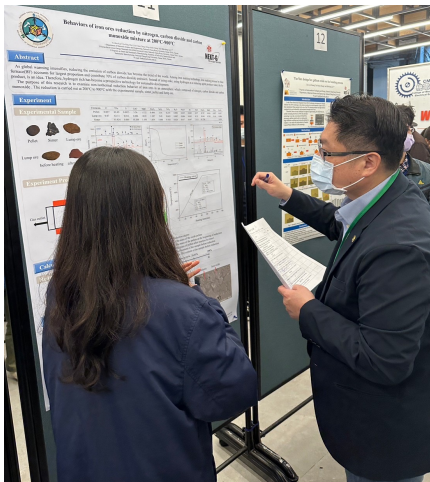
Photos of 11th Taphad



Oral competition



Poster competition



Q&A

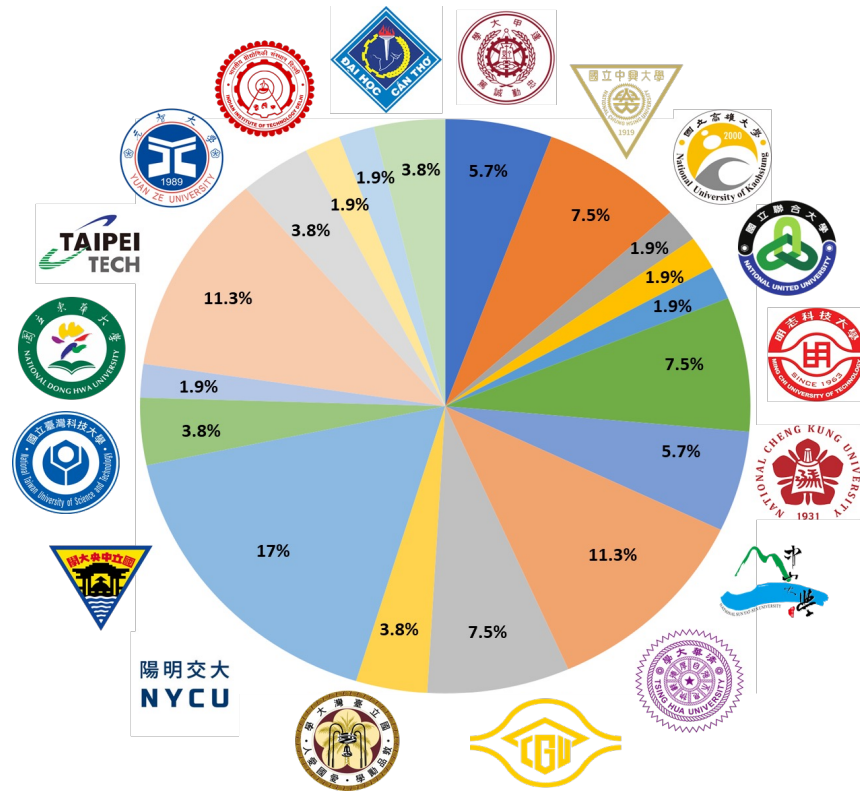


Awards ceremony

2. 6th Materials Knowledge Contest - MRS Taiwan: An International Materials Bowl

53 Teams, 200+ Contestants,
25+ Organizers Including Students

Award Presentation in the MRSTIC Opening, 11/18, 2022



Indian Institute of Technology, Delhi
& Can Tho University, Vietnam
Joined the Competition online with Teams onsite

There were 53 teams with 200+ students from 20 universities participated in the contest.
The preliminary contest was held on Aug. 14th and the final contest was on Nov. 18th.

8/24 Preliminary in 4 Universities

11/18 Final: Live Stream on FB

