

Program of International Conference on 2023 K-12 Astronomy Education

Day 0 (August 13, Sunday)

17:30 ~ 20:00	Registration and Reception
---------------	-----------------------------------

Day 1 (August 14, Monday)

08:30 ~ 09:10	Registration	
09:10 ~ 09:30	Opening remarks, group photo	Host: Director Yi CHOU
09:30 ~ 10:20	Session 1	Chair: Wen-Ping CHEN
09:30 ~ 09:55	[001] <i>Top-Down approach to formal and informal astronomy education in Thailand</i>	Matipon TANGMATITHAM (National Astronomical Research Institute of Thailand)
09:55 ~ 10:20	[002] <i>Astronomy Education for All under Taiwan Top Science Student project</i>	Hao-Yuan DUAN 段皓元 (National Central University)
10:20 ~ 11:00	Break	
11:00 ~ 11:50	Session 2	Chair: Matipon TANGMATITHAM
11:00 ~ 11:25	[003] <i>A trial to offer programming-oriented courses for graduate and undergraduate programs and possible application to secondary school teaching</i>	Daisuke KINOSHITA 木下大輔 (National Central University)
11:25 ~ 11:50	[004] <i>How graduate students can get involved in K-12 education and science communication</i>	Sena MATSUI 松井瀨奈 (Nagoya University)
11:50 ~ 13:30	Lunch	
13:30 ~ 14:45	Session 3	Chair: Hao-Yuan DUAN
13:30 ~ 13:55	[005] <i>Home Science, Home Astronomy for Early Half of K-12</i>	Akihiko TOMITA 富田晃彦 (Wakayama University)
13:55 ~ 14:20	[006] <i>Astronomy Curriculum of Primary School (Grades 3-6) in Taiwan</i>	Wen-kuang CHENG 鄭文光 (Ganghe Elementary School)
14:20 ~ 14:45	[007] <i>Astronomy Education at LanTan Elementary School, Taiwan</i>	Jung-Hui CHIU 邱榮輝 (LanTan Elementary School)
14:45 ~ 15:15	Break	
15:15 ~ 16:30	Session 4	Chair: Akihiko TOMITA
15:15 ~ 15:40	[008; Pre-recorded] <i>Online Observation - An equal chance for all Students and Teachers</i>	Hossein KHEZRI (Mehr Observatory, Iran)
15:40 ~ 16:05	[009; Pre-recorded] <i>Students' International Network for Astronomy – SINA: Never-give-up activities</i>	Mahdi ROKNI (Students' International Network for Astronomy, Iran)
16:05 ~ 16:30	[010] <i>Astronomy Education and Taiwan's 2019 Science Curriculum Guidelines for Junior and Senior High Schools</i>	Ming-Jun SU 蘇明俊 (Kaohsiung Astronomical Society)

Day 1 (August 14, Monday)

19:30 ~ 20:30 NCU Campus Observatory visit (Hao-Yuan Duan 段皓元)	Special talk Chair: Wen-Ping CHEN
	19:30 ~ 20:00 [011; In Chinese] <i>Experience in Astronomy Outreach for Children</i>

Day 2 (August 15, Tuesday)

09:30 ~ 10:20	Session 5 Chair: Jungjoo SOHN	
09:30 ~ 09:55	[012] <i>The contributions of Kenting Observatory in informal astronomy education and its prospects</i>	Pin-Wei WANG 王斌威 (National Museum of Natural Science)
09:55 ~ 10:20	[013] <i>KenTing Observatory: Hands-on observing and image analysis for students in 23 Years</i>	Joshua LIAO 廖家賢 (Ken-Ting Observatory)
10:20 ~ 10:50	Break	
10:50 ~ 12:05	Session 6 Chair: Pin-Wei WANG	
10:50 ~ 11:15	[014] <i>"H-R Diagram" Education Program for Enhancing Teacher's Data Literacy Teaching Capacity</i>	Jungjoo SOHN (Korea National University of Education)
11:15 ~ 11:40	[015] <i>A geometry lesson of ancient astronomy in high school</i>	Shan-Chien YANG 楊善茜 (Taipei First Girls' High School)
11:40 ~ 12:05	[016] <i>Advancing Data Literacy Skills with NSF's NOIRLab</i>	Justine SCHAEN (NSF's NOIRLab)
12:05 ~ 13:30	Lunch	
13:30 ~ 17:00	Hands-on session Chair: Hao-Yuan DUAN	
13:30 ~ 17:00	[017] <i>Explore the Solar System with Vera C. Rubin Observatory</i>	Ardis HERROLD (Vera C. Rubin Observatory)
17:20 ~ 20:00	Banquet	

Day 3 (August 16, Wednesday)

09:30 ~ 10:20	Session 7	Chair: Shih-Ping LAI
09:30 ~ 09:55	[018] <i>Amateur Radio Astronomy Telescope with RTL-SDR and Mobile phone, and the result of detecting HI 21cm line</i>	Alan YANG 楊曄群 (Taipei Astronomical Museum)
09:55 ~ 10:20	[019] <i>Star-Stamp: A stamp rally application for astronomy education in Japan</i>	Enrei YUZUKI 柚木苑齡 (GK Tech)
10:20 ~ 10:50	Break	
10:50 ~ 12:05	Session 8	Chair: Yen-Chen PAN
10:50 ~ 11:15	[020] <i>Taiwan astronomical Observation collaboration Platform (TOP)</i>	Shih-Ping LAI 賴詩萍 (National Tsing Hua University)
11:15 ~ 11:40	[021] <i>The Development of Interactive Multimedia Website on Transiting Exoplanets</i>	Pranita SAPPANKUM (Chiang Mai University)
11:40 ~ 12:05	[022] <i>Activities of Internet Telescopes in Astronomical Education</i>	Kouichi TODA 戸田晃一 (Toyama Prefectural University)
12:05 ~ 13:15	Lunch	
13:15 ~ 18:00	Excursion: Taipei Astronomical Museum visit	

Day 4 (August 17, Thursday)

09:30 ~ 10:20	Session 9	Chair: Wing IP
09:30 ~ 09:55	[023] <i>Applying of Science Fairy Tale Writing in Science Course for Elementary School Teacher Preservice Education</i>	Hsien-Chuan FAN 范賢娟 (Ningde Normal University)
09:55 ~ 10:20	[024] <i>Implementation of "Big Idea in Astronomy" in Japanese schools - Curriculum research as a prerequisite for interdisciplinary and foundational courses in high school science -</i>	Hidehiko AGATA 縣秀彦 (National Astronomical Observatory of Japan)
10:20 ~ 10:50	Break	
10:50 ~ 11:40	Session 10	Chair: Hidehiko AGATA
10:50 ~ 11:15	[025] <i>On A Small Wide-Field Space Telescope Project For K-12 Astronomy Education</i>	Wing IP 葉永烜 (National Central University)
11:15 ~ 11:40	[026] <i>Extension from K-12 teaching experience at Yuan-Ze University</i>	Po-Chieh YU 俞伯傑 (Yuan-Ze University)
11:40 ~ 12:00	Conclusions	