

# 2024 International IDG Forum: From Aerosol Sciences Toward a Sustainable Earth

## 2024 國際IDG論壇：從氣膠科學看地球永續的挑戰與願景



Date 日期：2024/11/11 (Mon)

Time 時間：09:30-17:30

Location 地點：Lecture Hall, South Complex, National Science and Technology Museum  
(Address: 720 Jiuru 1st Rd., Sanmin Dist., Kaohsiung City, 807412, Taiwan, R.O.C.)  
國立科學工藝博物館南館演講廳 S112 (高雄市三民區九如一路797號)

### 開場致詞 Opening Remarks:

9:30-9:40 Minister Ying-Yao Cheng, Ministry of Education  
教育部 鄭英耀部長  
President Chih-Peng Li, National Sun Yat-sen University  
國立中山大學 李志鵬校長  
國立科學工藝博物館 李秀鳳館長

9:40-10:00 Ecology Theater Art Performance:  
「The Quest of Electron Clouds」  
生態劇場展演：「電子雲的冒險旅程」  
Prof. Chia C. Wang, NSYSU, Taiwan  
Prof. I-Lien Ho, NSYSU, Taiwan  
Ms. Chi-Hsin Chen, Moon Voice, Taiwan

10:00-10:30 Prof. Pao-Kuan Wang (王寶貴院士)  
Academia Sinica & NSYSU, Taiwan  
Title: Aerosol, Clouds and Climate

### Session I: Aerosol sciences

10:30-11:00 Prof. Ralf Zimmermann  
Helmholtz Zentrum Munich & University of Rostock, Germany  
Title: Impact of atmospheric aging on the toxicity of the emissions from biomass combustion and traffic: Evidence from in vitro and in vivo experiments

11:00-11:30 Prof. Avidan Neumann  
Institute of Environmental Medicine, Helmholtz Zentrum München, Germany  
Title: "Early and accurate predictors of COVID-19 disease severity and correlates of immune protection in asymptomatic SARS-CoV-2 infection"

11:30-11:50 Prof. Wei-Hsiang Chen (陳威翔 所長)  
Institute of Environmental Engineering & Aerosol Science Research Center, NSYSU, Taiwan  
Title: Occurrence of antibiotics and antibiotic resistance in wastewater treatment processes and their bioaerosol emissions

11:50-12:10 Dr. Johannes Passig  
University of Rostock, Germany  
Title: New insight into the dynamics and mixing state of aerosols by single particle mass spectrometry

12:10-12:30 Prof. Chia C. Wang (王家榮 主任)  
Department of Chemistry & Aerosol Science Research Center, NSYSU, Taiwan  
Title: "Lessons learned from COVID-19 pandemic: Facilitating the paradigm shift by IDGs for a sustainable future"

### 12:30-13:30 Lunch

### Session II: SDGs x IDGs x ESG

13:30-14:00 Prof. Hsunling Bai (白輝綾 教授)  
Aerosol Science Research Center, NSYSU, Taiwan  
Title: Using En-Roads as a Tool to Bring Hope to Climate Action and its SDGs X IDGs implication

14:00-14:30 Prof. Tsai Jong-Rung (蔡忠榮 副院長)  
Department of Respiratory Therapy, Kaohsiung Medical University, Taiwan  
Title: Health impact of air pollution

14:30-15:00 Prof. Danny Yeung  
Department of Psychiatry, University of Toronto, Canada  
Title: "Those Who Listen, Change The World": The art of dyadic heartfelt listening in the Spirit of Accelerated Experiential Dynamic Psychotherapy (AEDP) and how it can be transformative for future societal leaders"

### 15:00-15:20 Coffee Break

15:20-15:50 Maria Grazia Testa  
IDG Global Coordinator, and Founder of Ecologies and of The Best Journey Ever, Amsterdam, Netherlands  
Title: Today's Business Imperative: Driving Sustainability through Innovation, Collaboration, and Transformation

15:50-16:10 賴懷仁 資深處長 聯華電子 風險管理暨安環處  
Title: 淺談半導體廠奈米微粒暴露評估及ESG推動實務  
A Brief Discussion on Nanoparticle Exposure Assessment and ESG Implementation Practices in Semiconductor Factories

16:10-16:30 張紋英 永續長 台灣港務公司  
Title: TBD

16:30-17:00 Crystal Huang and Jayce Lee  
IDG Taiwan Social Arts Network, Taipei  
Title: From Perception to Action: The Path of Theory U in Leading Organizational Change (從感知到行動：U型理論引領組織變革的路徑)

### 17:00-17:20 Open Discussion

### 17:20-17:30 Concluding Remark

Organizer 主辦單位: Aerosol Science Research Center, National Sun Yat-sen University 國立中山大學氣膠科學研究中心, Taiwan Kaohsiung IDG Hub  
Co-organizers 合辦單位: AIR HoPE 產學研發中心、台灣PM2.5監測與控制產業發展協會、IDG Asian Wisdom Network、台灣港務公司、國立科學工藝博物館、台灣氣膠研究學會、台灣室內環境品質管理協會、高雄市立大同醫院、遠哲科學教育基金會高雄辦公室



報名連結