

Shaping the Future Agenda of SDGs in Asia

The Innovative & Transformative Approach



Date: Tuesday, November 15th, 2022

Venue: NCKU Future Venue (No.1, University Road, East District, Tainan City 701)

Arrival/Opening

| | | |
|-------------|--|--|
| 09:30-09:35 | Welcome and Opening | Prof. Fong-Chin Su Executive Vice President, NCKU |
| 09:35-09:40 | Introduction of WUN Global Research Group-SDGs in Asia | Prof. Tsair-Fuh Lin Vice President, Office of Research and Development, NCKU Chair, WUN Global Research Group-SDGs in Asia |
| 09:40-09:45 | Photo time | |

Keynote session 1

Keynote Speaker:

Prof. Anthony Capon

Director, Monash Sustainable Development Institute

Moderator:

Prof. Huey-Jen Jenny Su

President, NCKU

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| 09:45-10:05 | The role of higher education in achieving SDGs (TBC) | |
| 10:05-10:20 | Discussion | |
| 10:20-10:35 | Break | |

Presentation of Research Impact



SDG 3: Good Health and Well-being

Moderator: Prof. Jeanne Laraine Shea

Department of Anthropology, University of Vermont

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|-------------|--|---|
| 10:35-10:45 | Investigating psychological needs in Asian countries with different severity of COVID-19 outbreak | Prof. Chung-Ying Lin Institute of Allied Health Sciences, College of Medicine NCKU |
| 10:45-10:55 | Healthy life style does matters for community dwellings pursuing quality of life | Prof. Li-Fan Liu Institute of Gerontology, NCKU |
| 10:55-11:05 | Exploring meals on wheels as a service provided to vulnerable adults in South-East Asia: establishing food safety, nutritional, social care, psychological and policy implications | Prof. Hsiu-Ling Chen Department of Food Safety/Hygiene and Risk Management, NCKU |
| 11:05-11:20 | Panel Discussion | |



SDG 6: Clean Water and Sanitation

Moderator: Prof. Liang-Ming Whang

Department of Environmental Engineering, NCKU

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| 11:20-11:30 | Marine litter prevention: quantification and source reduction | Prof. Hsin-Tien Lin Department of Environmental Engineering, NCKU |
| 11:30-11:40 | Drinking water quality: sharing the technologies and identifying the issues | Prof. Tsair-Fuh Lin Vice President, Office of Research and Development, NCKU |
| 11:40-11:55 | Panel Discussion | |
| 11:55-13:15 | Lunch | |

Keynote session 2

Keynote Speaker:
Assoc. Prof. Dr. Mohd Wira Mohd Shafiei
Director, Universiti Sains Malaysia Centre
for Global Sustainability Studies

Moderator:
Prof. Tsair-Fuh Lin
Vice President, Office of Research
and Development, NCKU

13:15-13:25

Organisational readiness for change towards sustainability:
the case of Universiti Sains Malaysia

13:25-13:50

Discussion

13:50-14:05

Break



SDG 7: Affordable and Clean Energy

Moderator: Prof. Wei-Hsin Chen
Department of Aeronautics and Astronautics, NCKU

14:05-14:15

New developments in synthesis of renewable fuels

Prof. Mohammed Mehdi Farid
Faculty of Engineering, Chemical and Materials
Engineering, University of Auckland

14:15-14:25

Integration of different renewable-energy resources with
energy-storage systems and control systems using various
microgrid systems

Prof. Manoj Tripathy
Department of Electrical Engineering, Indian Institute
of Technology Roorkee

14:25-14:35

High-capacity energy storage based on affordable and
environmentally-friendly materials

Prof. Watchareeya Kaveevivitchai
Department of Chemical Engineering, NCKU

14:35-14:50

Panel Discussion

14:50-15:00

Refreshment



SDG 3: Good Health and Well-being

Moderator: Assoc. Prof. Meng-Che Tsai
Department of Pediatrics, Genomic Medicine, NCKU Hospital

15:00-15:10

The relationships among physical literacy, perceived health
status, physical fitness, exercise belief, motivation to exercise,
promise to exercise, and active aging

Prof. Li-Chuan Lin
Vice President for Student Affairs, NCKU
Prof. Raymond Kim-Wai Sum
Department of Sports Science and Physical
Education, CUHK
Prof. Jiunn-Jye Sheu
School of Population Health, University of Toledo

15:10-15:20

Superfood millets for combating mineral deficiencies and
related lifestyle disorders in child and elderly populations:
a computational modelling approach

Dr. Helen Chappell
School of Food Science and Nutrition, University of
Leeds

15:20-15:30

Sustaining health system resilience through integrated care
networks for older people & their caregivers: vulnerability
Identification, Coordinated Services, and Digital Solutions

Dr. Chieh-Hsiu Liu
Department of Geriatrics and Gerontology, NCKUH

15:30-15:45

Panel Discussion

15:45-15:55

Introduction of 2023 WUN Global Research Group- SDGs in Asia:
Call for proposal and Closing Remark

Prof. Tsair-Fuh Lin
Vice President, Office of Research and Development,
NCKU
Chair, WUN Global Research Group-SDGs in Asia



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