27-29 September, 2022 | National Pingtung University of Science and Technology



Tentative Virtual Program

Time Zone based on Pingtung County, Chinese Taipei's local time (GMT +8)

THE 8TH INTERNATIONAL (VIRTUAL) WORKSHOP ON UI GREENMETRIC WORLD UNIVERSITY RANKINGS (IWGM 2022)

"Collective Actions for Transforming Sustainable Universities in the Post-Pandemic Time" 26-29 September 2022

National Pingtung University of Science and Technology (NPUST) (Virtual Workshop, Chinese Taipei Time, GMT+8)

DAY 1: 26 September 2022

Publish all videos on UI GreenMetric YouTube Channel

- Video Profile UI GreenMetric
- Video Profile NPUST
- Video UIGWURN's Country Reports
- Video Presentation from selected paper for invited speakers
- Video Presentation from selected paper for poster session

DAY 2: 27 September 2022

(by invitation)

(Virtual Workshop, Chinese Taipei Time, GMT+8)

Check the start time in your time zone

(https://bit.ly/YourTimeZoneIWGM2022-1)

Timing	Session	
18.30 - 18.45	Registration and Safety Induction	
18.45 – 18.55	Welcome Speech:	
	Prof. Dr Ing. Chin-Lung Chang, President, National Pingtung University of Science & Technology	
18.55 – 19.50	55 – 19.50 Welcome of National Coordinators, quorum established	
	Prof. Dr. Ir. Riri Fitri Sari, M.Sc., MM., Dr. Junaidi, S.S., M.A, and Dr. Nyoman Suwartha, S.T, M.T, M.Agr	
19.50 - 19.55	Adoption of the agenda	
19.55 – 20.00	Adoption of the minutes of the 5 th Steering Committee (Virtual) Meeting in Malaysia on 24 August 2021	
20.00 - 20.30	Discussion on the future activities of UI GWURN	
	- Shaping Global Higher Education and Research in Sustainability	
20.30 - 21.00	Discussion on the future activities of UI GWURN	
	- Creating Global Sustainability Leaders	
21.00 - 21.25	Discussion on the future activities of UI GWURN	
	- Partnering on Solutions to Sustainability Challenges	
21.25 - 21.30	Closing	

	DAY 3: 28 September 2022
	(Virtual Workshop, Chinese Taipei Time, GMT+8)
	Check the start time in your time zone
	(https://bit.ly/YourTimeZoneIWGM2022-2)
06.30 PM –	Registration, Safety Induction, Video Profile
06.45 PM	Registration, Safety induction, video Profile
06.45 PM -	Master of Ceremony:
06.50 PM	Asst. Prof. Fred Chunyi Lee, Chief of Cooperation Division, Office of International Affairs, NPUST, Taiwan
	Venue: Room A (Main Room)
	Zoom YouTube
06.50 PM –	Welcome Speech
07.15 PM	Prof. Dr Ing. Chin-Lung Chang, President, National Pingtung University of Science & Technology



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The 8th International Workshop	o on UI GreenMetric University Rankings		Astronal Programy Univ.
	=	UI GreenMetric World University Rank nister of the Overseas Community Affa	_
07.15 PM -	Keynote Speech		
07.45 PM	1 '	r, National Pingtung University of Scien	ıce & Technology, Taiwan
07.45 PM -	•	,	
07.55 PM	Signing Membership Declaration of U	JI GreenMetric Network	
07.55 PM -	Postor Sossion**		
08.05 PM	Poster Session**		
08.05 PM –	Break		
08.15 PM			
08.15 PM -	Discussion Session 1 A	Discussion Session 1 B	Discussion Session 1 C
09.00 PM	"Issues and Innovation for Setting	"Issues and Innovation for Energy	"Issues and Innovation for Waste
	and Infrastructure Management in	and Climate Change Management	Management in Universities in the
	Universities in the Post-Pandemic	in Universities in the Post-	Post-Pandemic Time"
	Time"	Pandemic Time"	
	Venue: Room A (Main Room)	Venue: Room B	Venue: Room C
	Zoom YouTube	Zoom YouTube	Zoom YouTube
	Chair:	Chair:	Chair:
	Prof. Dr. Serkan Abbasoglu, Vice	Prof. Ouajdi Korbaa, Professor,	Prof. Patricia Iglecias, Head of
	Rector, Cyprus International	University of Sousse, Tunisia	Environmental Affairs, University
	University, Turkey	Co-chair:	of Sao Paulo (USP), Brazil
	Co-chair:	Dr. Ahmed Hachicha, Co-leader of	Co-chair:
	Dr. Junaidi, S.S. M.A, Vice-Chair, UI	Building and Operating	Mr. Laszlo Gyarmati, Director of
	GreenMetric	Sustainability Circle, University of	Jozsef Attila Study and Information
	Speakers:	Sharjah, United Arab Emirates	Center, University of Szeged,
	(4 main point presentations – max.	Speakers:	Hungary
	4 minutes each)	(4 main point presentations – max.	Speakers:
	• Tomasz Zatoński, DSc, prof.	4 minutes each)	(4 main point presentations – max.
	WMU, Vice-Rector, Wroclaw	• Prof. Dr. H. Ir. Fatah Sulaiman,	4 minutes each)
	Medical University, Poland	ST., MT. Rector, Universitas	Assoc. Prof. Dr. Kitikorn
	Green University Programme at	Sultan Ageng Tirtayasa,	Charmondusit, Vice President,
	the Wroclaw Medical University	Indonesia	Mahidol University, Thailand
	• Prof. Dr. I-Chung Liu,	Building Otomation System Design	The Circular Economy Concept of
	Representative of President,	and Planning: The Universitas	Mahidol University, Salaya
	National Chi Nan University,	Sultan Ageng Tirtayasa Case	Campus, Thailand
	Taiwan	Prof Stefano Massucco	Dott Ing MGO Prof Jaime

- **Taiwan**
 - NCNU Dedicates to Develop Green Campus and Renewable Energy for **Environmental Sustainability**
- Samantha Fahy, Representative of President, Dublin City University, Ireland The DCU Setting and the Continuing Post-Pandemic
- Prof. Dr. Guray Salihoglu, Representative of Rector, Bursa Uludag University, Turkey Bursa Uludag University's Contribution to the Society with

Question and Answer

Sustainability Projects

Challenges

- Prof. Stefano Massucco, Representative of Rector, University of Genoa, Italy University of Genoa Best Practices in Managing Energy and Climate Change
- Prof. Mohamed Ahmed Bassouny, Ph.D., Representative of President, Benha University,

Towards Eco-friendly Green University: A Case Study of Benha University, Egypt

• Prof. Dr. V. Pandiyarajan, Representative of Chancellor, Kalasalingam Academy of Research and Education, India

- Dott. Ing. MGO Prof. Jaime Alberto Romero-Infante, Representative of Rector, Universidad El Bosque, Colombia Circular economy applied to the management of usable organic waste through composting, an example of circular economy of the academy with postgraduate education
- Dr. Sc. Margarita Redina, Representative of President, **RUDN University, Russia** The Practice of Waste Management in the RUDN
- Dr. Sohair Ramadan Fahmy, Representative of President, Cairo University, Egypt



27-29 September, 2022 National Pingtung University of Science and Technology)
Month of Parties and Parties a	ty

Not Zero, Net Zero - An Initiative for Carbon Neutrality in KARE Campus

Question and Answer

Developing a Sustainable University Campus in Egypt: Cairo University as a case study

Question and Answer

09.00 PM -09.05 PM

Break

09.05 PM -09.50 PM

Discussion Session 2 A "Issues and Innovation for Water Management in Universities in the Post-Pandemic Time"

Venue: Room A (Main Room) Zoom | YouTube

Chair:

Prof. Anna Tozzi, Rector's Consultant for internationalisation policies, University of L'Aquila, Italy

Co-chair:

Prof. Dr. Guray Salihoglu, Representative of Rector, Bursa Uludag University, Turkey Speakers:

(4 main point presentations - max. 4 minutes each)

- Prof. Datuk Ts Dr Hajah Roziah Mohd Janor, Vice-Chancellor, Universiti Teknologi Mara, Malaysia
 - Greening Universiti Teknologi MARA Campus Through Sustainable Water Management and Practices
- Prof. Dr. Serkan Abbasoglu, Vice **Rector, Cyprus International** University, Turkey Renewable Energy, Energy Management and Water Management Studies in Cyprus

International University

- Dr. Essam Oun Ali Al-Zaini, Representative of Chancellor, Al-**Furat Al-Awsat Technical** University (ATU), Iraq Adopting Smart Integrated
- AgriAquaculture IAA Techniques: A Sustainable Approach by Al-Furat Al-Awsat Technical University • Ir. Erna Maters, Representative
- of Rector, Wageningen University & Research, The **Netherlands**

Water Management to Cope with the Effects of Climate Change

Discussion Session 2 B "Issues and Innovation for **Transportation Management in Universities in the Post-Pandemic** Time"

Venue: Room B Zoom | YouTube

Chair:

Dr. Yu-Hsing Huang, Asst. Professor at Department of Industrial Management, National Pingtung **University of Science &** Technology, Taiwan Co-chair:

Dr. Denes Matyas, Deputy Director for Strategic Management, University of Szeged, Hungary Speakers:

(4 main point presentations – max. 4 minutes each)

- Prof. Dr. Ir Ambariyanto MSc. Vice-Rector, Universitas Diponegoro, Indonesia Challenge and Innovation in Building the Green and Sustainable Transportation System at Universitas Diponegoro
- Prof. Andrea Scagni, Representative of Rector, University of Turin, Italy Data-based understanding and optimization of sustainability of university mobility: two case studies
- Prof. Dr. Andrey V. Vasilyev, Eng., Representative of Rector, Samara State Technical University, Russia Results of Study of Environmental Noise Caused by Transport and Industry Before, During and After COVID-19 Period in Urban Conditions of Samara Region of Russia and Approaches to Reduction of Increased Noise Levels

Dr. Sergio S. Fernandez Delgadillo, Representative of

Discussion Session 2 C "Issues and Innovation for **Education and Research** Management in Universities in the Post-Pandemic Time"

Venue: Room C Zoom | YouTube

Chair:

Assoc.Prof.Dr.Kitikorn Charmondusit, Vice President, Mahidol University, Thailand Co-chair:

Mr. Rafael Cordova Uvidia, Principal Investigator, Assistant of International Relations at the Research Group GIDAC, ESPOCH, **Ecuador**

Speakers:

(4 main point presentations – max. 4 minutes each)

- Prof. Emmanuel O. Aluyor FNSE, FAEng, Vice-Chancellor, Edo State University Uzairue, Nigeria Achieving a Green University in the Post Pandemic Era: Edo State University Uzairue Experience
- Prof. Dr. Jamal Wiwoho, S.H., M.Hum., Rector, Universitas Sebelas Maret (UNS), Indonesia UNS Efforts in Strengthening the Spirit of Sustainability Through Education
- Prof. Dr. Vasyl Lavnyy, Vice-Rector, Ukrainian National Forestry University, Ukraine UNFU Sustainable Education Management in the Conditions of Post-Pandemic and War Times in Ukraine
- Dr. Viktor Glied PhD, Representative of Rector, University of Pécs, Hungary Every Green Step Counts -University of Pécs through the lens of sustainability



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		Rector, Autonomous University	
		of Nuevo León, Mexico	
		Sustainability Factors Involved in	
		the Intercampus Transport System	
		for Students at the Autonomous	
		University of Nuevo León, México	
		Question and Answer	
		Question and Answei	
	Question and Answer		Question and Answer
09.50 PM -	Closing and Information for Day 4	Closing and Information for Day 4	Closing and Information for Day 4
10.00 PM	by the Chair	by the Chair	by the Chair

	DAY 4: 29 Septembe	er 2022
	(Virtual Workshop, Chinese Tai	pei Time, GMT+8)
	Check the start time in yo	ur time zone
	(https://bit.ly/YourTimeZone	
06.30 PM – 06.45 PM	Registration, Safety Induction, Video Profile	
06.45 PM – 06.50 PM	Master of Ceremony: Asst. Prof. Fred Chunyi Lee, Chief of Cooperation Divisi Venue: Room A (Main Room) Zoom YouTube	on, Office of International Affairs, NPUST, Taiwan
06.50 PM – 07.05 PM	PM – Keynote Speech	
07.05 PM - 07.10 PM	Break	
08.15 PM	"Issues and Innovation for Setting and Infrastructure in Universities in the Post-Pandemic Time" Venue: Room A (Main Room) Zoom YouTube Chair: Prof. Omirzhanov Yesbol, Director of International Cooperation Department, Kazakh National Agrarian Research University, Kazakhstan Co-chair: Dr. Sc. Margarita Redina, Representative of President, RUDN University, Russia Speakers: (3 main point presentations – max. 4 minutes each) • Dr. Mahdi Nasiri, Representative of President, University of Zanjan, Iran Greener than Green: University of Zanjan Heading towards Sustainable Development • Dr. Mustafin Radik, Representative of Rector,	"Issues and Innovation for Energy and Climate Change Management in Universities in the Post- Pandemic Time" Venue: Room B Zoom YouTube Chair: Prof. Dr. Chanita Rukspollmuang, Vice President, Siam University, Thailand* Co-chair: Dr. Ruki Harwahyu, M.T, M.Sc., Expert Member of UI GreenMetric Speakers: (5 main point presentations – max. 4 minutes each) • Dr. Uzu-Kuei Hsu, Representative of President, National Pingtung University of Science & Technology, Taiwan Integrating Technology to Develop Renewable Energy to Explore a Sustainable Future for Taiwan by the
	Bashkir State Agrarian University, Russia Creation of a Forest Carbon Landfill at Bashkir State Agrarian University	 SECRDC in NPUST PhD Mervi Friman, Representative of Rector, Häme University of Applied Sciences, Finland Climate actions at Häme University of Applied Science (HAMK), Finland



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 Dr. Prashantha Naik, Representative of Vice Chancellor, Mangalore University, India Eco-Friendly Activities for Enhancement of Biodiversity and Energy Conservation in and around Mangalore University, Mangalagangotri Campus

 M. I. Raúl Vera Noguez, Representative of Rector, Universidad Autónoma del Estado de México, México

University Energy Transition

- Antonio Carlos M. Maralit, CBP, Representative of President, De La Salle University, Philippines
 DLSU Initiatives and Challenges: Energy & Climate Change
- Prof. Ir. Dr. Mohd. Sobri Takriff, Representative of Vice Chancellor, Universiti Kebangsaan Malaysia, Malaysia

UKM-YSD Chair: Best Practices in Managing Endowment Fund for Climate Change and Sustainability Initiative

Question and Answer

08.15 PM -09.10 PM **Discussion Session 4**

Question and Answer

"Issues and Innovation for Water, Transportation, Education and Research Management in Universities in the Post-Pandemic Time"

Venue: Room A (Main Room)

Zoom | YouTube

Chair:

Prof. Meng-Hao Tsai, Dean of General Affairs, National Pingtung University of Science & Technology, Taiwan

Thalita dos Santos Dalbelo, Ph.D., Coordinator of Territorial Masterplan, University of Campinas, Brazil

Speakers:

(5 main point presentations – max. 4 minutes each)

- Prof. Arif Satria, Rector, IPB University, Indonesia
 Sustainable University & The Future of Higher Education
- **Dr. Nyoman Suwartha, S.T, M.T, M.Agr, Vice-Chair, UI GreenMetric**The Impact of UI GreenMetric Involvement to Universities Performance in Shaping a Sustainable Campus
- Dr. Falsini Sara, Representative of Rector, University of Florence, Italy
 Moving Toward an Education for Sustainability (or based on SDGs): A green advancement at the University of
 Florence revealed by UI GreenMetric Ranking
- **Dr. Mohammed Al-Mulali, Representative of President, Al-Mustaqbal University College, Iraq**The Road to Recovery: MUC's journey after the covid pandemic
- Dra. Valentina Campos Cabral, Representative of Rector, Ibero Puebla, México Sustainable Mobility in Ibero Puebla, México. Initiatives and challenges

Question and Answer

09.10 PM –	Venue: Room 1 (Main Room)	
09.20 PM	Report of Universidade do Minho, Portugal (Host of IWGM 2023)	
09.20 PM -	Closing Remarks	
09.30 PM	Prof. Dr Ing. Chin-Lung Chang, President, National Pingtung University of Science & Technology	
	Prof. Riri Fitri Sari, Chairperson, UI GreenMetric World University Rankings	

*) to be confirmed

**) List of Accepted Poster Session:

Issues and Innovation for Setting and Infrastructure Management in Universities in the Post-Pandemic Time

- 1. Prof. Andréa Aparecida Ribeiro Corrêa, Coordinator, Federal University of Lavras, Brazil Bamboo Hitchhiking Point Project for the Federal University of Lavras
- 2. Moreno, Francisco, PhD, Teacher and research, Universidad Panamericana, Mexico Establishment of Lactaries in Higher Education Schools
- 3. Bambang Setia Nugroho, Dean of School of Electrical Engineering, Telkom University, Indonesia
 Preliminary study of urgency to monitor indoor air quality in Telkom education area after post-pandemic

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 Associate Professor Ts. Dr. Madihah Mohd Saudi, Chief Information Officer, Universiti Sains Islam Malaysia, Malaysia

USIM's Smart University Blueprint: Advances and Challenges

Issues and Innovation for Energy and Climate Change Management in Universities in the Post-Pandemic Time

- 5. Prof. Dr. PhD Saule Rakhmetullina, Chairman of the board-rector of the NJSC, D.Serikbayev East Kazakhstan technical university, Kazakhstan
 - Green Metrics Questionnaire as the basis of a Green University strategy
- 6. Prof. Dr. Camila Monteiro Santos, International Program Coordinator, Universidade do Vale do Itajaí UNIVALI, Brazil
 - Univali's Biguaçu Campus: The first Campus in Brazil to generate 100% of its energy
- 7. Dr. Muhammad Kabir, Assistant Professor, Incharge & Controller, Thal University Bhakkar, (University of Sargodha, Ex-Sub Campus Bhakkar), Bhakkar, Punjab, Pakistan
 - Impacts of anthropogenic activities & climate change resulting from increasing concentration of Carbon dioxide on environment in 21st Century; A Critical Review
- 8. Dr. Ashif Sajjad, Director Quality Assurance and Accreditation Directorate, University of Balochistan, Quetta, Pakistan
 - Assessment of Carbon Footprint and Possible Interventions to Reduce its Impact at University of Balochistan, Quetta, Pakistan: The First Attempt
- 9. Miguel Alejandro Chen Austin, Researcher, Universidad Tecnológica de Panamá, Panamá Assessment of the University Campus Metabolism due to Mobility and Outdoor Conditions: Survey and GIS-based Approach
- **10. M.Sc Johicy H. Parra, Sustainability Advisor, State University of Northern Paraná, Brasil**Reflections of the pandemic on energy consumption patterns in a Higher Education Institution
- 11. Engineer Edna Vanessa Ramos Gómez, National leader environmental management system, Universidad Nacional Abierta y a Distancia – UNAD Colombia
 - Energy transition to photovoltaic system at UNAD as an instrument of environmental management system
- 12. Javaria Qais Joiya, Director Sustainaility, University of Central Punjab Lahore, Pakistan
 University of Central Punjab, Lahore, Pakistan and SDGs Compliance in Energy Conservation in the Post-Pandemic Time Period

Issues and Innovation for Waste Management in Universities in the Post-Pandemic Time

- 13. Dr. Ir. Nurzainah Ginting, M.Sc, Head of Compost Centre, Universitas Sumatera Utara, Indonesia
 Training on Making and Application of Biodesinfectant from Organic Waste for Mouth and Foot Disease at the University of North Sumatra
- 14. Dr. Juan Roberto Calderón Maya, Director of Research, Universidad Autónoma del Estado de México,
 - the Installation and Operation of the Solid Waste Collection Center (Cars) as a Mechanism for the Recovery of Solid Waste (Rs) at the Autonomous University of the State of Mexico (Uaeméx)
- 15. Noha donia, Dean faculty of Graduate Studies and Environmental Researches, Ain Shams University, Egypt
 - Role of Ain Shams University in Sustainability
- **16.** Rami Elhusseini, MSc., SDG Focal Point, American University of Beirut, Lebanon Wastewater to Wetlands: Turning the Tide with Azolla Ferns

Issues and Innovation for Water Management in Universities in the Post-Pandemic Time

17. Prof. Dr. Yüksel Ardalı, Sustainability Directors, Ondokuz Mayıs University, Turkey
Climate Change Adaptation-Based Strategies Water Management at Ondokuz Mayıs University in the Post
Pandemic Time

Issues and Innovation for Transportation Management in Universities in the Post-Pandemic Time

18. Engr.Muhammad Waleed Farooq, Directorate of Sustainability and Environment, Director and Member (EE), Capital University of Science and Technology, Pakistan

Hazelbot: Smart Medical Assistant

Wind Uncertainty Windships IWGM 2022

| Collective Actions for Transforming Sustainable Universities in the Post-Pandemic Time

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Issues and Innovation for Education and Research Management in Universities in the Post-Pandemic Time

- 19. Dr. Rustamadji, M.Si., Rector, Universitas Pendidikan Muhammadiyah Sorong, Indonesia Green school (GS) management strategy: sustainable environmental idea for future learning
- 20. Dr. Jesús Vicente González Sosa, Research professor, Universidad Autónoma Metropolitana, Unidad Azcapotzalco, Mexico
 - Sustainability at UAM Azcapotzalco for Academic Programs with Virtual Classroom Methodologies
- 21. Prof. Dr. Israel Gondres Torné, Coordinator of the Electrical Engineering Course, Universidade do Estado do Amazonas, Brazil
 - Development of an Application for Measuring Parameters of UI GreenMetric
- **22. Dr. Johnny A. Ching, Director, De La Salle University-Dasmariñas, Philippines**Creating Possibilities thru Research Amidst the Pandemic: DLSU-D's Transformative Actions
- 23. Leonardo Chaves de Carvalho, Director of Sustainable Development, Federal University of Mato Grosso do Sul UFMS, Brazil
 - Management, Innovation and Sustainability: the evolution of the regulations of the Federal University of Mato Grosso do Sul
- **24. George Abuselidze, Prof. Dr., Batumi Shota Rustaveli State University, Georgia** Importance of Professional Diversification in Economy and Higher Education
- **25. Tamara Nanni Camargo, Project Manager, Facens University Center, Brazil**Challenges of the 21st Century: Initiatives that Facens Promotes to Achieve the Model of Education for Sustainable Development
- 26. Justyna Berniak-Woźny, PhD, Presidential Proxy for Internationalisation, University of Information Technology and Management, Poland
 - Immersed from Day One How the Science Club revolutionized UITM Sustainability Education
- 27. Dr. Wasanthi Subasinghe, Director, Centre for Sustainability Solutions, University of Kelaniya, Sri Lanka
 - Efforts of transforming education towards sustainability by the University of Kelaniya, Sri Lanka in the midst of economic crisis, in post-covid 19 pandemic period.
- **28. Ts. Zulkurnain Bin Shahadan, Director, Sultan Idris Shah Polytechnic, Malaysia**Best Practice Towards Sustainability Development in Sultan Idris Shah Polytechnic
- 29. Ir. Tony K. Hariadi, M.T., IPM., Head of the Center for Strategic Data and Information, Universitas Muhammadiyah Yogyakarta, Indonesia

Islamic Way (best practice as moslem)

30. Zahra Mohebi, Assistant Prof., Razi University, Iran

The Architecture of Green Space by Medicinal Plants in the University and Its Impact on People's Health, Education and Environmental in The Post-Pandemic Time

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