

# NERPS 2025 CONFERENCE

Theme: Achieving Peaceful  
and Sustainable Futures

**5 - 7  
MARCH**

De La Salle University, Manila



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## About the Conference

### Conference Theme Achieving Peaceful and Sustainable Futures

The 4th NERPS Conference (#NERPS2025) will be held from **March 5–7, 2025** at the De La Salle University (DLSU) in Manila, Philippines. The 10th anniversary of the adoption of the 2030 Agenda for Sustainable Development is an opportunity to reflect on past achievements and future prospects for peace and sustainability. It has become clear since then that solutions to complex global challenges require cooperation among different stakeholders across national boundaries, different levels and from various sectors. Relatedly, transdisciplinary and future-oriented research approaches that employ participatory and collaborative methodologies are imperative for advancing evidence-based decision-making and policy-relevant research outcomes. The NERPS 2025 Conference offers a platform for students, researchers, and practitioners to exchange ideas, present their work, and forge partnerships for transdisciplinary research and collaborative action toward peaceful and sustainable futures. The conference will feature research presentations, expert roundtables, innovative workshops, and an optional excursion.



# PROGRAM OVERVIEW

## MARCH 5 WEDNESDAY

- 9:00–10:00 Registration
- 10:00–12:00 **Opening Session**  
Welcome Messages  
Opening Remarks  
Keynote Addresses
- 12:00–1:30 Lunch Break
- 1:30–3:00 **Parallel Sessions 1**  
1.1 Peacebuilding in the Philippines  
1.2 Quality Education A  
1.3 Gender Equality  
1.4 No Poverty  
1.5 Sustainable Cities and Communities A
- 3:00–3:30 Break
- 3:30–5:00 **Parallel Sessions 2**  
2.6 Peace, Justice, and Strong Institutions A  
2.7 Sustainable Cities and Communities B  
2.8 Bridging Ecology, Economy, and Equity  
2.9 Good Health and Well-Being A  
2.10 Sustainable Industries and Infrastructure
- 5:15–9:00 Reception Dinner

## MARCH 6 THURSDAY

- 9:00–10:30 **Parallel Sessions 3**  
3.11 Quality Education B  
3.12 Disasters  
3.13 Water Quality  
3.14 Peace, Justice, and Strong Institutions F  
3.15 Good Health and Well-Being B
- 10:30–11:00 Break
- 11:00–12:30 **Parallel Sessions 4**  
4.16 Roundtable: Disaster Resilience in Island and Coastal Communities  
4.17 Partnerships for the Goals A  
4.18 Peace, Justice, and Strong Institutions C  
4.19 Sustainable Development and Economic Resilience  
4.20 Decent Work and Economic Growth A
- 12:30–1:30 Lunch Break
- 1:30–3:00 **Parallel Sessions 5**  
5.21 Sustainable Cities and Communities C  
5.22 Responsible Consumption and Production A  
5.23 Peace, Justice, and Strong Institutions D  
5.24 Quality Education C  
5.25 Roundtable: Climate Change Action, Security, and Geopolitics in the Asia-Pacific Region
- 3:00–3:30 Break
- 3:30–5:00 **Parallel Sessions 6**  
6.26 Peace, Justice, and Strong Institutions E  
6.27 Social, Economic, and Environmental Well-Being  
6.28 Zero Hunger  
6.29 Socio-Ecological Resilience A  
6.30 Workshop: Integrating Community-Engaged Research and Environmental Peacebuilding into the Classroom

## MARCH 7 FRIDAY

### 9:00–10:30 **Parallel Sessions 7**

- 7.31 Addressing the Climate Education Gap: Empowering Teachers through Research Experiences to Develop Integrated Climate Curricula
- 7.32 Climate Action
- 7.33 Peace, Justice, and Strong Institutions B
- 7.34 Zero Hunger
- 7.35 Socio-Ecological Resilience B
- 7.36 Affordable and Clean Energy

10:30–11:00 Break

### 11:00–12:30 **Parallel Sessions 8**

- 8.37 Responsible Consumption and Production B
- 8.38 Peace, Justice, and Strong Institutions G
- 8.39 Partnership for the Goals B
- 8.40 Decent Work and Economic Growth B
- 8.41 Roundtable: Meet the Editors

12:30–1:30 Lunch Break

### 1:30–2:00 **Closing Ceremony**

- Awarding (Best Papers and Best Presentations)
- Closing Remarks

2:15–5:00 City Tour

## MARCH 8 SATURDAY

Excursion to Villa Escudero Plantations and Resort (Optional)

- 5:15–5:30 Departure from DLSU Manila (North Gate)
- 5:30–8:00 Travel to Villa Escudero
- 8:00–5:00 Itinerary on detailed program
- 5:05–9:00 Return to DLSU

# DETAILED PROGRAM

## MARCH 5 WEDNESDAY

- 9:00–10:00 Registration  
Venue: Verdure Hallway, 4th Floor, Henry Sy Sr. Hall
- 10:00–12:00 Opening Session**  
Venue: Verdure, 4th Floor, Henry Sy Sr. Hall
- 10:00–10:05 Invocation and Philippine National Anthem
- Welcome Messages
- 10:05–10:12 Br. Bernard Oca FSC (President of De La Salle University)
- 10:12–10:18 Prof. Shinji Kaneko (Executive Vice President; Director of NERPS, Hiroshima University and Conference Chair)
- Opening Remarks
- 10:18–10:25 Hon. Dr. Carlos Primo David (Undersecretary, Department of Environment and Natural Resources (DENR) in the Philippines)
- 10:25–10:30 Mr. Hanada Takahiro (Minister and Consul General, Embassy of Japan in the Philippines)
- Keynote Addresses
- 10:30–11:10 Prof. Tshilidzi Marwala (Rector of the United Nations University; Under-Secretary-General of the United Nations)
- 11:10–11:50 H.E. Commissioner Prof. Dr. Alvin Culaba (Commissioner on Science and Technology at the UNESCO National Commission of the Philippines)
- 11:50–12:00 Group Photo
- 12:00–1:30 Lunch Break

### 1:30–3:00 PARALLEL SESSIONS 1

#### Session 1.1 Peacebuilding in the Philippines

1:30–3:00 Wed Venue: Y407 Seminar Room  
Chair: Dahlia Simangan (Hiroshima University, Japan)

The Limits of Development Aid in Peacebuilding: Analyzing Socio-Economic Interventions in the Bangsamoro Region, the Philippines

*Raihan Yusoph (Hiroshima University, Japan)*

Self-Made Spaces: Youth, Inclusion, and Peace

*Kaila Jade Batuigas, Lean Carlo Khrystoffor Ege, Kris Bernard Mutia and Primitivo C. Ragandang III (Mindanao State University-IIT, Philippines)*

AI in Education and Peacebuilding: Bridging Technology and Conflict Resolution

*Martin Jerome Goli-Cruz (University of the Philippines, Philippines)*

Exploring Motivations and Reintegration Challenges: A Study of Former ISIS-Maute Combatants in Lanao del Sur

*Yasmin Tagorda (De La Salle University, Philippines), Federico B. Filipino, Nezam B. Amer (Mindanao State University-Marawi City, Philippines) and Nabel B. Guiama (Municipality of Piagapo, Philippines)*

#### Session 1.2 Quality Education A

1:30–3:00 Wed Venue: Y408 Seminar Room  
Chair: Vally Koubi (ETH Zurich, Switzerland)

Revealing the Unspoken: Vietnamese Students' Behavior in Drunk Driving and Riding with a Drunk Driver

*Thi Kieu My Tran and Goto Daisaku (Hiroshima University, Japan)*

The Effect of Income on School Choice Evidence from Bolivia's Universal Pension Plan

*Johann Caro-Burnett (Hiroshima University, Japan) and Sabyasachi Das (Ahmedabad University, India)*

Hidden Beliefs, Public Acts: Exploring Collective Illusions in Student Environmental Responsibility  
*Mary Eimeren Tumalak (Visayas State University, Philippines)*

Globalizing Education: The Case of Foreign Academics in Taiwan  
*Christine Cook (Center for Asia-Pacific Resilience and Innovation, Taiwan)*

### **Session 1.3 Gender Equality**

1:30–3:00 Wed Venue: Y409 Seminar Room  
Chair: Mari Katayanagi (Hiroshima University, Japan)

The Role of Faith-Based Organizations in the Trajectories of Victims to Services: Case Study of Violence Against Women in Papua New Guinea  
*Maryboio Nigani (Hiroshima University, Japan)*

Voices Unheard: Married Women in Patriarchal Egypt  
*Engy Turk (Hiroshima University, Japan)*

Sexual and Gender-Based Violence Towards Rohingya Women: How the Legal Frameworks of ASEAN Can Resolve the Issue  
*Trang Thu Le and My Hoang La (Diplomatic Academy of Vietnam, Vietnam)*

Empowering Female Migrant Workers in Taiwan Through Education  
*Anna Joceline Ituriaga (National Chengchi University, Taiwan)*

### **Session 1.4 No Poverty**

1:30–3:00 Wed Venue: Y507 Seminar Room  
Chair: Ali Kharrazi (International Institute for Applied Systems Analysis (IIASA), Austria)

Evaluating the Efficacy of Social Innovation Programming at Advancing Rural Development in the Context of Exogenous Shocks  
*Joshua Fisher (Columbia University, U.S.A.), Mauricio Espinoza, Rodrigo Rivarola and Ricardo Fort (Group de Analisis para el Desarrollo, Peru)*

Impact of Farm Machinery on Agricultural Productivity and Land Use in Bhutan  
*Tshewang Dorji (Hiroshima University, Japan)*

From "Sirmata" to Reality: A Climate-Smart Agriculture Adoption Success of an AMIA Village in Benito Soliven, Philippines  
*Beata Maria De Ocampo (De La Salle University, Philippines)*

A Systematic Review of Digital Financial Literacy, Mobile Money Adoption, and Digital Financial Inclusion  
*Mst Tania Parvin (Ministry of Education, Bangladesh), Ikram Ullah and Niraj Prakash Joshi (Hiroshima University, Japan)*

### **Session 1.5 Sustainable Cities and Communities A**

1:30–3:00 Venue: Y508 Seminar Room  
Chair: Leticia Sarmiento dos Muchangos (Hiroshima University, Japan)

Navigating Just Transitions in Coal-Dependent Economies: Challenges and Pathways in Emerging Economies  
*Vineeth Vinoy (Manipal Academy of Higher Education, India)*

Experimental Performance of Car Rooftop Mounted Solar Cooker  
*Rahul Dev, Bhupendra Koshti, Ajaya Bharti and Dhananjay Singh (Motilal Nehru National Institute of Technology, India)*

Exploring Land Use Land Cover Changes and Their Effect on Urban Heat Island and Land Surface Temperature: The Case of Lahore, Pakistan  
*Fahad Shah and Ayyoob Sharifi (Hiroshima University, Japan)*

An Analysis of the Effectiveness of Urban Master Plans in Controlling and Regulating Urban Growth in Ulaanbaatar, Mongolia  
*Gundegmaa Chinzorig and Ayyoob Sharifi (Hiroshima University, Japan)*

3:00–3:30 Break

## **3:30–5:00 PARALLEL SESSIONS 2**

### **Session 2.6 Peace, Justice, and Strong Institutions A**

3:30–5:00 Wed Venue: Y407 Seminar Room  
Chair: Joshua Fisher (Columbia University, U.S.A.)

Thoughts for Sustainable Society on Human Activities and the Nature  
*Tetsuya Kusuda (Kyushu University, Japan)*

The Insertion of an Environmental Agenda in the Mandates of Peace Operations

*Julia de Souza Lucena Nishio (Hiroshima University, Japan)*

Human Rights-Based Climate Change Litigation in Southeast Asia: Lessons from the Global North

*My Hoang La (Diplomatic Academy of Vietnam, Vietnam)*

Bridging Climate Action and Peace: Lessons from Young People in Bangsamoro Region

*Reemar Alonsagay (Mindanao State University-Marawi City, Philippines)*

## **Session 2.7 Sustainable Cities and Communities B**

3:30–5:00 Wed Venue: Y408 Seminar Room

Chair: Ayyoob Sharifi (Hiroshima University, Japan)

Visitors' Preferences: Implications on the Establishment of Cebu Normal University Botanic Garden

*Maricel Rivera, Jay Jumar Bacunawa and Maria Lourdes Alcoriza (Cebu Normal University, Philippines)*

Sustainability on Two Wheels: A Choice Experiment of Electric Motorcycles in Vietnam

*Daniel del Barrio Alvarez (The University of Tokyo, Japan), Nan Wang (MUFG Bank Ltd., Japan), Truong Dang Thuy (University of Economics Ho Chi Minh City, Vietnam) and Hironori Kato (The University of Tokyo, Japan)*

Barriers, Driving Forces, and Solutions for Equitable Access to Urban Ecosystem Services: Lessons from the Literature

*Md. Nazmul Haque and Ayyoob Sharifi (Hiroshima University, Japan)*

Spatio-Temporal Forecasting of Ecosystem Resilience, Heat Stress, and Child Mortality in India

*Subhojit Shaw (International Institute for Population Sciences, India)*

## **Session 2.8 Bridging Ecology, Economy, and Equity**

3:30–5:00 Wed Venue: Y409 Seminar Room

Chair: Yvette Baninla (Queens University, Canada)

Evaluation of Climate and Land Use Change Impacts on Hydrological Ecosystem Services That Support Food Security in Siem Reap Province, Cambodia

*Fahad Ahmed (Asian Institute of Technology, Thailand) and Ho Huu Loc (Wageningen University & Research, Netherlands)*

Does Vulnerability to the Effects of Humidity Affect the Performance of Wildlife Tourism in Maasai Mara ecosystem, Kenya?

A Structural Equation Model Approach

*Richard Mose (Kisii University, Kenya) and Philip Manyi Omenge (Sigtuna Consultancy, Kenya)*

Impact of Cooperative Participation on Income: Insights from Dragon Fruit Farmers in Binh Thuan Province, Vietnam

*Thi Huong Giang Tran and Chomei Yosuke (Hiroshima University, Japan)*

Venture Capital: A White Knight for MSME's?

*Junette Perez (De La Salle University, Philippines)*

## **Session 2.9 Good Health and Well-Being A**

3:30–5:00 Wed Venue: Y507 Seminar Room

Chair: Dhanasree Jayaram (Manipal Academy of Higher Education, India)

Gender Differences in Age at Onset of Non-Communicable Diseases Among Older Adults in India: Role of Differential Exposure and Differential Vulnerabilities

*Jhumki Kundu, Dr. Srinivas Goli and K.S.James (International Institute for Population Sciences, India)*

Wealth Disparities and Cognitive Impairment Among the Elderly in India: Analysing the Contributing Factors

*Indrajit Goswami and Madhurima Sharma (International Institute for Population Sciences, India)*

Positioning of Elderly in Making of Civil Space in Neoliberal Cities

*Trisha Mukhopadhyay and Bikramaditya Kumar Choudhary (Jawaharlal Nehru University, India)*

A Global Bibliometric Analysis of Loneliness During the COVID-19 Pandemic: Future Research and Policy Implications

*Nguyen Thi Xuan Trinh, Sumeet Lal and Yoshihiko Kadoya (Hiroshima University, Japan)*

## **Session 2.10 Sustainable Industries and Infrastructure**

3:30–5:00 Wed Venue: Y508 Seminar Room

Chair: Katherine Alfredo (University of South Florida, U.S.A.)

A Methodology Review on Greenhouse Gas Emission Analysis from Electricity Production

*Jeremias Gonzaga, Laurence A. Gan Lim (De La Salle University, Philippines), Raouf Naguib (Liverpool Hope University, England) and Jose Bienvenido M. Manuel Biona (De La Salle University, Philippines)*

Nigeria's Path to Green Energy Transition: Insights from Business Preferences for Solar PV Adoption  
*Olayemi Akangbe (Hiroshima University, Japan)*

The COVID-19 Shock to the Vietnamese Economy: Estimating Economic Losses via Input-Output Analysis for the 2019-2020 Period

*Bui Xuan Hong and Masaru Ichihashi (Hiroshima University, Japan)*

Institutional Dynamics and Policy Directions for ODA and PPP Urban Transport Financing in Metro Manila, Philippines

*Martin Angelo Millete (Hiroshima University, Japan)*

### Reception Dinner

Venue: *Verdure, 4th Floor, Henry Sy Sr. Hall*

5:15–5:20 Preliminaries

5:20–5:25 Welcome Message by Prof. Shinji Kaneko, Conference Chair

5:25–6:00 Culture and Arts Performances

6:00–9:00 Dinner and Networking

## MARCH 6 THURSDAY

### 9:00–10:30 PARALLEL SESSIONS 3

#### Session 3.11 Quality Education B

9:00–10:30 Thu Venue: Y407 Seminar Room

Chair: Francisco Magno (De La Salle University, Philippines)

Bibliometric Analysis: Quality Education and Creative Imagination for Supporting the SDGs

*Desfa Yusmaliana, Aji Kurbiyanto (Universitas Muhammadiyah Bangka Belitung) and Pg Dr. Hjh Nur-Ashikin binti Pg Hj Petra (Universiti Brunei Darussalam, Brunei Darussalam)*

Transforming Service-Learning into Participatory Action Research in Philosophy: Exploring Opportunities and Overcoming Challenges for Sustainable Educational Leadership

*Jeane Peracullo (De La Salle University, Philippines) and May C. Peracullo (Carlos Hilado Memorial State University, Philippines)*

An Exploratory Study of Japanese University Students' Views of the SDGs

*Kira Adams (Yamaguchi University, Japan)*

The Impact of Technical and Vocational Education and Training on Income and Employability in Asia: A systematic Literature Review

*Sras San and Niraj Prakash Joshi (Hiroshima University, Japan)*

#### Session 3.12 Disasters

9:00–10:30 Thu Venue: Y408 Seminar Room

Chair: Vally Koubi (ETH Zurich, Switzerland)

GIS-Based Landslide Susceptibility Assessment of the Upper Marikina River Basin Protected Landscape, Rizal Province, Philippines, Using Analytic Hierarchy Process (AHP)

*Clarence Gio Almoite, Ruzzel T. Bona, Joshua L. Bucasan and Roscinto Ian C. Lumbres (Benguet State University, Philippines)*

To Determine the Socio-Economic Impacts Due to Flood Disasters and Designing of Early Warning on the Torrential Flood Plain in Sindh Province of Pakistan

*Muhammad Amir Akram Rao (Toyo University, Japan)*

A Dry Country Yet Prone to Floods: Unlocking the Intricacies of Slow-Onset and Rapid-Onset Disasters in South Africa

*Emmanuel Busayo (University of the Witwatersrand, South Africa)*

A Systematic Review of Social Media-Based Sentiment Analysis in Disaster Risk Management

*Bilal Ilyas and Ayyoob Sharifi (Hiroshima University, Japan)*

#### Session 3.13 Water Quality

9:00–10:30 Thu Venue: Y409 Seminar Room

Chair: Katherine Alfredo (University of South Florida, U.S.A.)

Identifying Changes in Mangrove Forest Area in West Bangka Regency Using Machine Learning on Google Earth Engine

*Ririn Apriyani, Fifin Fitriana and Sujadi Priyansah (University of Muhammadiyah Bangka Belitung, Indonesia)*

Microplastics Ingestion by Fish Species in Thailand's Aquatic Ecosystems

*Khouloud Jaffel (Asian Institute of Technology, Thailand) and Arjay Ronald Hosmillo (Analytics & Artificial Intelligence Association of the Philippines, Philippine Institute of Chemical Engineers Bicol Chapter, Philippines)*

Assessment of the Spatiotemporal Dynamics of River Discharge and Groundwater Recharge to Support Sustainable Water Management for Irrigated Agriculture in the Padsan River Watershed

*Julius Jimenez (Asian Institute of Technology, Thailand)*

Sustainable Production of Potable Water Through Harvesting of Solar Energy in North India

*Dhananjay Singh and Vinay Mishra (Institute of Engineering & Technology Lucknow, India), Rahul Dev (Motilal Nehru National Institute of Technology, India), Balendu Shekher Giri (University of Petroleum & Energy Studies Dehradun, India) and Avinash Chandra (Thapar Institute of Engineering & Technology, India)*

### **Session 3.14 Peace, Justice, and Strong Institutions F**

9:00–10:30 Thu Venue: Y507 Seminar Room

Chair: Johann Caro-Burnett (Hiroshima University, Japan)

Institutional Trust, Disinformation Regulation, and Its Dilemmas

*Daniel Dias (Hiroshima University, Japan)*

Exploring the Causes of Land and Shelter Related Conflicts: The Case of Rohingya Refugee Camps in Bangladesh

*Soncita Dey (Asian Institute of Technology, Thailand)*

Immigration, Conflict, and Domestic Legislation: Evaluation of the US Immigration System

*Marshallin Mathew (Manipal Academy of Higher Education, India)*

Access to Justice as A Guarantee of Rights and Sustainable Development: The Case of Argentina

*Federico Gustavo Bartalini (Hiroshima University, Japan)*

### **Session 3.15 Good Health and Well-Being B**

9:00–10:30 Thu Venue: Y508 Seminar Room

Chair: Estesa Xaris Que Legaspi (De La Salle University, Philippines)

Uncovering Barriers and Facilitators for Implementing Digital Innovations for Fetal Heart Rate Monitoring in Underserved Settings: An Exploratory Qualitative Study from Tanzania

*Dorkasi Mwakawanga, Sanmei Chen (Hiroshima University, Japan), Yhuko Ogata (Melody International Ltd., Japan) and Yuryon Kobayashi (The University of Tokyo Hospital, Japan), Miyuki Toda and Yoko Shimpuku (Hiroshima University, Japan)*

Examining the Linkages Between Maternity Services and Postpartum Modern Contraceptive Adoption Among Young Women in India: Insights from the 2015–16 and 2019–21 National Family Health Survey

*Monirujjaman Biswas (Jawaharlal Nehru University, India)*

Differences in Cognitive-Impairment-Free Life Expectancy (CIFLE) Among Older Adults in India: Gender and Domicile-Based Study

*Madhurima Sharma and Indrajit Goswami (International Institute for Population Sciences, India)*

Housing Environment and Associated Health Disparities in Older Adults: A Propensity Scores Matching Approach

*Amiya Saha and Dipti Govil (International Institute for Population Sciences, India)*

10:30-11:00 Break

## **11:00–12:30 PARALLEL SESSIONS 4**

### **Roundtable 4.16 Disaster Resilience in Island and Coastal Communities**

11:00–12:30 Thu Venue: Y407 Seminar Room

*Katherine Alfredo (University of South Florida, U.S.A.)*

*Nausheen Atta (Hiroshima University, Japan)*

*Joshua Fisher (Columbia University, U.S.A.)*

*Karla Sofia Garcia (Columbia University, U.S.A.)*

*Ayyoob Sharifi (Hiroshima University, Japan)*

*Dahlia Simangan (Hiroshima University, Japan)*

#### **Session 4.17 Partnerships for the Goals A**

11:00–12:30 Thu Venue: Y408 Seminar Room

Chair: Francisco Magno (De La Salle University, Philippines)

Collective Learning in ASEAN's Climate Governance Networks: The Case of the 2018 ASEAN Guidelines for Agroforestry Development

*Virgемarie Salazar (University of the Philippines Diliman, Philippines)*

The Impact of Environmental Protection Commitments on the Implementation of New-Generation Free Trade Agreements in Developing Countries: A Case Study of Vietnam

*Nguyen Thi Hong Yen, Nguyen Thi Kim Ngan, Mac Thi Hoai Thuong (Hanoi Law University, Vietnam) and Dinh Trong Hiep (Utrecht University School of Law, the Netherlands)*

Environmental Cooperation Between the USSR and Japan: An Analysis Through the Multiple Streams Framework

*Aleksandra Balinskaia (Kanazawa University, Japan)*

Managing Foreign Investments for Sustainable Peace: A Case Study of Central Asian Countries

*Khursandjoni Faizullozoda (Hiroshima University, Japan)*

#### **Session 4.18 Peace, Justice, and Strong Institutions C**

11:00–12:30 Thu Venue: Y409 Seminar Room

Chair: Primitivo C. Ragandang, III (Mindanao State University-IIT, Philippines)

Women's Vulnerabilities to Climate Insecurity and Conflict: Micro-Level Evidence from Bangladesh

*Ma Suza, Jeroen Warner (Wageningen University, Netherlands), Grazia Pacillo, Peter Läderach (International Center for Tropical Agriculture, Colombia) and Han van Dijk (Wageningen University, Netherlands)*

Crafting Peace Through Business: Women-Led Business in Bosnia and Herzegovina

*Mari Katayanagi (Hiroshima University, Japan)*

Governance Structure in Rebel Camps: The Case of the Two Moro Islamic Liberation Front Satellite Camps in Balindong, Lanao del Sur

*Riham Yahya and Samuel Anonas (Mindanao State University-Marawi City, Philippines)*

Lumbia Air Base Inclusion in the Agreed Military Locations Under EDCA Between the United States and the Philippines: From the Perspective of the Cagayanons

*Emmalyn Delloso (Mindanao State University-Marawi City, Philippines)*

#### **Session 4.19 Sustainable Development and Economic Resilience**

11:00–12:30 Thu Venue: Y507 Seminar Room

Chair: Letícia Sarmiento dos Muchangos (Hiroshima University, Japan)

Effects of Adaptive Resilience on Business Recovery from COVID-19 Pandemic: The Case of a Social Enterprise in Tawi-Tawi, Philippines

*Richard Celeste and Pamela F. Resurreccion (MSU-Iligan Institute of Technology, Philippines)*

Promoting Sustainable Development: The Rise of Vietnam's Carbon Market

*Thang Nguyen Toan and Cuong Vu Hong (Hanoi Law University, Vietnam)*

The Symmetric and Asymmetric Effects of Trade Openness, Foreign Remittances, and External Debt on Economic Growth in South Asian Countries: Evidence from Panel Non-Linear ARDL (NARDL) Model

*MD Jahedul Islam and Niraj Prakash Joshi (Hiroshima University, Japan)*

The Impact of Digital Remittances on Access to Alternative Financial Services Among the Unbanked in South Asia

*Ikram Ullah and Niraj Prakash Joshi (Hiroshima University, Japan)*

#### **Session 4.20 Decent Work and Economic Growth A**

11:00–12:30 Thu Venue: Y508 Seminar Room

Chair: Jason Alinsunurin (De La Salle University, Philippines)

The Moderating Roles of Workplace Diversity, Transformational Leadership Towards a Structural Equation Model of Human Resource Practice for Resilient Employment in the BPO Service Industry

*Michael Gibaga (Eulogio "Amang" Rodriguez Institute of Science and Technology, Philippines)*

Enhancing Safety and Support Services for Indonesian Migrant Workers in Taiwan: A Comprehensive Communication Strategy Approach Through Media Outreach

*Jessica Archendy (National Chengchi University, Taiwan) and Christine Cook (Center for Asia-Pacific Resilience and Innovation, Taiwan)*

Leadership Evolution in Egypt: Bridging the Perception Gap Between Young Employees and Traditional Management Styles  
*Nourhan Salah Abdulftah Ramadan (Hiroshima University, Japan)*

The Dynamics Between Nomadism and Livelihood Strategies Among Snake-Charmer in India: A Study of Nomadic Sapera Community  
*Rahul (International Institute for Population Sciences, India) and C J Sonowal (Tata Institute of Social Sciences, India)*

12:30-1:30 Lunch Break

### 1:30–3:00 PARALLEL SESSIONS 5

#### Session 5.21 Sustainable Cities and Communities C

1:30–3:00 Thu Venue: Y407 Seminar Room

Chair: Jeane Peracullo (De La Salle University, Philippines)

A Taxonomy of Localized Sustainability Indicators: A Pathway to Achieving the Sustainable Development Goals  
*Caroline Awuye (Hiroshima University, Japan)*

Research and Analysis for Sustainable Development Studies with Small Samples: Augmenting the Data of Evacuees Using a Deep Generative Model

*Katsue Edo (Prefectural University of Hiroshima, Japan), Kenji Fujimoto, Kengo Sato (Survey Research Center Co., Ltd., Japan) and Shinya Watanuki (University of Marketing and Distribution Sciences, Japan)*

Modeling Multi-Scenario Land Use and Land Cover Change and Ecosystem Service Dynamics: An Integrated Approach Toward Sustainable Development

*Kamaleddin Aghaloo (Hiroshima University, Japan)*

Economic and Environmental Impact Assessment of Reuse of Biomass Residues in the Malaysian Palm Industry

*Tomoyo Toyota (University of Shimane, Japan) and Shinji Kaneko (Hiroshima University, Japan)*

#### Session 5.22 Responsible Consumption and Production A

1:30–3:00 Thu Venue: Y408 Seminar Room

Chair: Ayyoob Sharifi (Hiroshima University, Japan)

Mind the Green: What Drives the Sustainable Consumption Behaviour of Filipino Consumers?

*Jonalyn Baquillas (De La Salle University, Philippines)*

Does Consumer Animosity Affect Consumer Behaviour? A Moderated Mediation Analysis

*Luz Suplico Jeong, Reynaldo Bautista, Jr. (De La Salle University, Philippines), Michelle Stewart (University of Windsor, Canada) and Takanori Osaki (Kagawa University Business School, Japan)*

Intuitionistic Fuzzy TOPSIS for Evaluating the Alignment of Organizational Directions with the UN Sustainable Development Goals

*Ferry Anhao and Lanndon A. Ocampo (Cebu Technological University, Philippines)*

Boosting Online Survey Responses: A Two-Stage Experiment with Enterprises in Vietnam

*Truong Pham, Thao Thi Phuong Nguyen, Daisaku Goto and Duc Tran (Hiroshima University, Japan)*

#### Session 5.23 Peace, Justice, and Strong Institutions D

1:30–3:00 Thu Venue: Y409 Seminar Room

Chair: Eliseo F. Huesca (Davao del Norte State College, Philippines)

Integrated Model of Peace-Making Skills for College Students – A Pilot Study

*Rita Shome (Sukumar Sengupta Mahavidyalaya, India)*

Addressing Harassment Issues on University Campuses: Japan and Philippines

*Hiroshi Yamauchi (Hiroshima University, Japan)*

Teacher Attitudes Toward Mild Special Needs Students in Egyptian Japanese Pre-Primary School

*Yasmin Elmoghir (Hiroshima University, Japan)*

Poetic Testimony and Healing: Transitional Justice and Intergenerational Trauma in Post-Khmer Rouge Cambodian Poetry

*Nhan Do (Ritsumeikan Asia Pacific University, Japan)*

#### Session 5.24 Quality Education C

1:30–3:00 Thu Venue: Y507 Seminar Room

Chair: Leo Rayon (Davao del Norte State College, Philippines)

Fisher's Hauntology Towards a Philosophy of Hopeful Pedagogy

*Avah Jimaria Marzan, Katya E. Manalastas, Theora Katrine T. Cabuang and Terrence Luis M. Reyes (De La Salle University, Philippines)*

Artivism, Agentic Learning, and Sustainability: Aesthetics as Pedagogy

*Leni Garcia (De La Salle University, Philippines)*

Science and Peacebuilding in the Trans-Scientific Era: New Opportunities Through an Integrated Arts-Sciences Approach

*Hanyi Liu, Songcen Han (Hiroshima University, Japan) and Liubin Zhang (Xi'an Jiaotong University, China)*

Climate Change Education in Southeast Asia: Lessons from Indonesia and the Philippines

*Kelvin Tang (The University of Tokyo, Japan)*

### **Session 5.25 Roundtable: Climate Change Action, Security, and Geopolitics in the Asia-Pacific Region**

1:30–3:00 Thu Venue: Y508 Seminar Room

*Dhanasree Jayaram (Manipal Academy of Higher Education, India)*

*Francisco A. Magno (De La Salle University, Philippines)*

*Virgemarie Salazar (University of Philippines Diliman, Philippines)*

*Mumita Tanjeela (East West University, Bangladesh)*

*Varun Mohan (National Institute of Advanced Studies, India)*

3:00–3:30 Break

## **3:30–5:00 PARALLEL SESSIONS 6**

### **Session 6.26 Peace, Justice, and Strong Institutions E**

3:30–5:00 Thu Venue: Y407 Seminar Room

Chair: Primitivo C. Ragandang, III (Mindanao State University-IIT, Philippines)

Measuring the Willingness of Ukrainian Refugees to Return Home from Japan: Evidence from Randomized Conjoint Experiment

*Alina Repeshko, Masaru Ichihashi, Ghulam Dastgir Khan and Harunobu Saijo (Hiroshima University, Japan)*

Everyday Peace in Multicultural Neighborhoods: Immigrant Strategies from An Agonistic Peace Perspective

*Busra Kuplay (Waseda University, Japan)*

Navigating Humanitarian Challenges-A Study of the Rohingya Refugee Crisis and Host Community Relations

*Sujan Kanti Dey (Bangladesh University of Professionals, Bangladesh) and Soncita Dey (Asian Institute of Technology, Thailand)*

Devolution of Powers in Post-War Sri Lanka and Its Effects on the Reconciliation: An Analysis of the 13th Amendment to the Constitution

*Gayan Kahandawalaarachchi (Hiroshima University, Japan)*

### **Session 6.27 Social, Economic, and Environmental Well-Being**

3:30–5:00 Thu Venue: Y408 Seminar Room

Chair: Yvette Baninla (Queens University, Canada)

An Analysis of Global Well-Being Indices and Their Role in Promoting Sustainability

*Nausheen Atta (Hiroshima University, Japan)*

Are Poor Households Less Likely to Migrate? Evidence from Rural Nepal

*Ishwor Barshila, Katsuhito Fuyuki, Keeni Minakshi and Eustadius Francis Magezi (Tohoku University, Japan)*

Household Dynamics and Economic Status of Parents of Migrants and Non-Migrants in Rural West Bengal, India: A Study of Living Arrangements

*Manoj Dakua and Hemkothang Lungdim (International Institute for Population Sciences, India)*

Building Infrastructure for Sustainable Livelihoods: Enhancing Resilience in Rural Communities of Eastern India

*Bapan Biswas (Jawaharlal Nehru University, India)*

### **Session 6.28 Zero Hunger**

3:30–5:00 Thu Venue: Y409 Seminar Room

Chair: Ali Kharrazi (International Institute for Applied Systems Analysis (IIASA), Austria)

Impact of Genetically Modified Brinjal (Bt Brinjal) on Farmers' Income and Production in Pabna District, Bangladesh

*Md. Amzad Hossain and Niraj Prakash Joshi (Hiroshima University, Japan)*

The Impact of Certified Seed Adoption on Technical Efficiency in Wheat Production  
*Nadia Hussain and Keshav Lall Maharjan (Hiroshima University, Japan)*

Techniques for Producing Disease-Free Growth Meristem Shoots in In Vitro Cultivation of Muong Pon Orange in Northern Vietnam  
*Thi Thanh Huyen Dao, Nguyen Huu Tho and Nguyen Van Hong (Thai Nguyen University, Vietnam)*

Evaluating Mixed Substrate Combinations for Optimizing H'mong Cucumber Seedling Growth in Greenhouse Conditions  
*Quynh Anh Nguyen and Truong Duy Ha (Thai Nguyen University of Agriculture and Forestry, Vietnam)*

### **Session 6.29 Socio-Ecological Resilience A**

3:30–5:00 Thu Venue: Y507 Seminar Room  
Chair: Ayyoob Sharifi (Hiroshima University, Japan)

Perceived Impact of Energy Access on Peace and Disaster Preparedness: A Case Study in Rural Communities of the Davao Region, Philippines  
*Larry Jay Samontina (Department of Science and Technology XI, Philippines)*

Spatial Analysis and Classification of Benthic Habitats on Ketawai Island Using Machine Learning  
*Fifin Fitriana, Ayu Wazira Azhari, Samera Samsuddin Sah (Universiti Malaysia Perlis, Malaysia), Winda Purnama Sari, Eka Altiarika and Ririn Apriyani (Universitas Muhammadiyah Bangka Belitung)*

Human Wildlife Conflicts: The Case of Galana, Kulalu Ecosystem, Kenya  
*Philip Manyi Omenge (Nyumba Foundation, Kenya), Richard Kerongo Mose (Kisii University, Kenya), Levi Murasi Mulupi (Agricultural Development Corporation, Kenya) and Harun Mbogua Wairimu (National Irrigation Authority, Kenya)*

The Potential of Integrating Nature-Based Solutions in the Agricultural Landscape of Paleik Wetland, Myanmar  
*Aung Kaung Zan and Tung Tuan Do (Thai Nguyen University of Agriculture and Forestry, Vietnam)*

### **Workshop 6.30 Integrating Community-Engaged Research and Environmental Peacebuilding into the Classroom**

3:30–5:00 Thu Venue: Y508 Seminar Room  
*Katherine Alfredo (University of South Florida, U.S.A.)  
Joshua Fisher (Columbia University, U.S.A.)*

## **MARCH 7 FRIDAY**

### **9:00–10:30 PARALLEL SESSIONS 7**

#### **Session 7.31 Addressing the Climate Education Gap: Empowering Teachers through Research Experiences to Develop Integrated Climate Curricula**

9:00–10:30 Fri Venue: Y407 Seminar Room  
Chairs: Joshua Fisher and Laurel Zaima-Sheehy (Columbia University, U.S.A.)

Introduction: National Science Foundation Research Experiences for Teachers (RET) Program  
*Joshua Fisher (Columbia University, U.S.A.)*

Explore Climate Messages from the Arctic  
*Margie Turrin (Columbia University, U.S.A.)*

Teaching with Maps: Instructional Strategies and User Research on Integrating GIS Maps in the Classroom to Enhance Climate Literacy and Equity  
*Josh DeVincenzo (Columbia University, U.S.A.), Elizabeth Luna (Nassau County School, U.S.A.) and Tamanna Shahid (New York City Public School, U.S.A.)*

Sustainable Cities: Sustainability Education Curriculum for High School Students  
*Anyi Wang (Columbia University, U.S.A.) and Erika Stafne (New York City Public School, U.S.A.)*

#### **Session 7.32 Climate Action**

9:00–10:30 Fri Venue: Y408 Seminar Room  
Chair: Dhanasree Jayaram (Manipal Academy of Higher Education, India)

Climate Change, Water Scarcity, and Women's Adaptive Strategies in Rural Bangladesh  
*Mumita Tanjeela (East West University, Bangladesh)*

Arendt's 'Right to Have Rights': A Defense of Climate Refugee Rights  
*Niñoval Pacaol (Eastern Visayas State University, Philippines)*

The Effect of Recurrent and Concurrent Climate Events on Migration: Evidence from Bangladesh  
*Vally Koubi and Jan Freihardt (ETH Zurich, Switzerland)*

A Multicriteria Index-Based Analysis for Flood Vulnerability Assessment and Climate Adaptation: A Case Study of Santo Domingo, Dominican Republic  
*Kirverlin Valera Bello (Hiroshima University, Japan)*

### **Session 7.33 Peace, Justice, and Strong Institutions B**

9:00–10:30 Fri Venue: Y409 Seminar Room  
Chair: John Lee Candelaria (Hiroshima University, Japan)

Investigating the Design of Social Networking Sites to Examine the Spread of Political Misinformation Using the Uses and Gratifications Theory

*Joel Andrew Cruz Jr, Ma. Rowena Caguiat and Ryan Ebarido (De La Salle University, Philippines)*

Media and Family Conflict Discourse: The Case of Filipino Paris Olympics Gymnastics 2-Time Gold Medallist Carlos Yulo's Feud with Mother After Historic Win

*Rehna Sotto (University of Jyväskylä, Finland)*

The Role of the Mass Media in Promoting Peace and Unity During the 2020 Elections in Ghana: Analysis of Newspaper Coverage

*Desmond Tawiah (Hiroshima University, Japan)*

The Role of Social Media in Shaping Political Engagement and Global Awareness in Taiwan: An Expert Perspective

*Tzu Yun Wang (National Chengchi University, Taiwan)*

### **Session 7.34 Zero Hunger**

9:00–10:30 Fri Venue: Y507 Seminar Room  
Chair: Ali Kharrazi (International Institute for Applied Systems Analysis (IIASA), Austria)

Spatial Heterogeneity and Determinants of Severe Acute Malnutrition Among Under-Five Children in India: Evidence from National Family Health Survey, 2019-21

*Madhurima Sharma and Indrajit Goswami (International Institute for Population Sciences, India)*

The Effect of Subsidized Inorganic Fertilizers on Food Self-Sufficiency and Inputs Use: Evidence from the Terai Region of Nepal

*Kamal Bahadur Sunar and Niraj Prakash Joshi (Hiroshima University, Japan)*

Exposing the Paradoxes of Philippine Food Security: A Critical Exploration of Structural Inequities and Pathways to Sovereignty

*Katya Manalastas and Alvin Servaña (De La Salle University, Philippines)*

Seeds of Power: From the 'Green' Revolution to Indigenous Food Sovereignty

*Szilvia Csevár (The Hague University of Applied Sciences, Netherlands) and Yasmine Rugarli (United Rising)*

### **Session 7.35 Socio-Ecological Resilience B**

9:00–10:30 Fri Venue: Y508 Seminar Room  
Chair: Daniel Fritz Silvallana (Deakin University, Australia)

The Impact of Migration and Innovation Information on Farmers' Migration Intentions and Technology Adoption Attitudes in Drought-Prone Areas of Malawi

*Paikene Mangani and Ghulam Dastgir Khan (Hiroshima University, Japan)*

Living in and through the Pawas: Describing Human-Environment Relationships in Ligawasan Marsh

*Thea Kersti Tandog (Independent Researcher), Ruth Gamboa, Aaron Froilan Raganas, Lief Erikson Gamalo (University of the Philippines Mindanao, Philippines) and Noel Carl De Los Reyes (University of the Philippines Baguio, Philippines)*

Mapping Super Typhoon Odette (STY Rai)-Induced Storm Surge Hazard in the Municipality of San Juan, Southern Leyte, Philippines

*Oliver Semblante, Janina Zharelle Marte and Lorenn Laurente (Visayas State University, Philippines) and Leanne Marie Loreto Philippine Atmospheric, Geophysical and Astronomical Services Administration, Philippines)*

Impact of Web Browsing Literacy on Climate Change Awareness of Girl Students: Evidence from Nigeria

*Animesh Mondal, Ichihashi Masaru and Bari MD Abdul (Hiroshima University, Japan)*

### **Session 7.36 Affordable and Clean Energy**

9:00–10:30 Fri Venue: Y509 Seminar Room  
Chair: Charlo Bianci M. Guray (Davao del Norte State College, Philippines)

C3LTICS Innovation for Carbon Capture and Conversion into Electric Fuel Cells to Address CO<sub>2</sub> Emissions and Global Energy Challenges

*Andiar Rinanda Agastya, Yohana Magdalena Franklin Harianja, Hasna Daffa Ulinnuha, Wanda Benboy and Theodrich Rainier Pesiwari* (Institut Teknologi Sepuluh Nopember, Indonesia)

Impact of Old Age Allowance (Boyoshko Vata) on Clean Fuel Adoption of Poor Households: Evidence from Bangladesh  
*Nazmus Sakib and Johann Caro-Burnett* (Hiroshima University, Japan)

Renewable Energy Harvesting from Rainfall: DC-TENGEHRI for Sustainable Development, Energy Equity, and Climate Resilience

*Renebeth Payod* (University of the Philippines - Los Baños, Philippines)

Concept of Solar Thermal Energy Utilization in Cement Plants

*Manoj Kumar Soni* (Birla Institute of Technology and Science, Pilani, India)

10:30-11:00 Break

## 11:00–12:30 PARALLEL SESSIONS 8

### Session 8.37 Responsible Consumption and Production B

11:00–12:30 Fri Venue: Y407 Seminar Room

Chair: Letícia Sarmiento dos Muchangos (Hiroshima University, Japan)

Plastic Diversion Dashboard: Simplifying Plastic Diversion Tracking

*Arjay Ronald Hosmillo* (Philippine Institute of Chemical Engineers Bicol Chapter, Philippines) and *Khoulood Jaffel* (Asian Institute of Technology, Thailand)

Understanding the Role of Product Design on Single-Use Plastic Consumption

*Jazmin Tangsoc, Mika Mansilla and Anthony Chiu* (De La Salle University, Philippines)

Do International Remittance Foster Resilience and Boost Agricultural Spending in Nepal?

*Sumant Kumar Yadav and Keshav Lall Maharjan* (Hiroshima University, Japan)

Linking 'ICT': Explaining the Policy Trajectory of the Digitalization of the Philippine Food Supply Chain

*Jesi Blantuca* (De La Salle University, Philippines)

### Session 8.38 Peace, Justice, and Strong Institutions G

11:00–12:30 Fri Venue: Y408 Seminar Room

Chair: Francisco Magno (De La Salle University, Philippines)

Navigating Complexities for Preventing Violent Extremism: Analyzing GCERF's Governance Approach and Impact in Sri Lanka

*Hazuki Sasaki* (Kanazawa University, Japan) and *Pradeep Ranaweera* (General Sir John Kotelawala Defence University, Sri Lanka)

Power Struggle and Conflict over Urban Space and Its Implications to Sustainable Peacebuilding in Nepal

*Akash Pandey* (Tribhuvan University, Nepal)

Territorial Disputes and the International Court of Justice

*Halim Ghafor* (Hiroshima University, Japan)

Lawmaking Technique in the Republic of Tajikistan: Conceptualization of Law as a Special Stage in Law Preparation

*Akbaralizoda Jasur* (Hiroshima University, Japan)

### Session 8.39 Partnerships for the Goals B

11:00–12:30 Fri Venue: Y409 Seminar Room

Chair: Katherine Alfredo (University of South Florida, U.S.A.)

Review of the Development of Cooperation on Glacier Preservation in Central Asia from 1991 to the Present

*Bezhan Firuzzoda* (Hiroshima University, Japan)

Stakeholders Coproduction: Animal Early Disaster Recovery After the 2020 Taal Volcano Eruption

*Emma Montalbo and Francisco A. Magno* (De La Salle University, Philippines)

Bittersweet Connections: Navigating Challenges and Collaborations Among Cacao Farmers in Quezon, Philippines

*Geri Mae Tolentino, Glemechille D. Maestro, and Giehway R. Liwanag* (Southern Luzon State University, Philippines)

Beyond 2030: Drafting a Vision for Sustainable Peace

*Banjara Rajesh* (Hiroshima University, Japan)

#### **Session 8.40 Decent Work and Economic Growth B**

11:00–12:30 Fri Venue: Y507 Seminar Room

Chair: Daniel del Barrio Alvarez (University of Tokyo, Japan)

The Influence of ESG Scores and Macroeconomic Factors on Financial Performance in ASEAN-5 Commercial Banks: Implications for Sustainability and SDGs

*Edralin Lim, Ahmed Meandahawi, John Kevin Alonzo, Divina Joy Castro, Karl Ivan Co and Krisha Anne B. Escudero (De La Salle University, Philippines)*

Impact of Export Procedure Training on Export Agricultural Crop (EACs) Based Export Business Aspirants in Sri Lanka

*Charitha Eluhagode Gedara and Masaru Ichihashi (Hiroshima University, Japan)*

The Impact of Procedural Justice on Extra-Role Behavior Intention with the Mediation of Affective Organizational Commitment: The Case of Civil Servants in Nepal

*Vijaya Kumar Magar and Yoshi Takahashi (Hiroshima University, Japan)*

#### **Roundtable 8.41 Meet the Editors**

11:00–12:30 Fri Venue: Y508 Seminar Room

*Dahlia Simangan (Hiroshima University, Japan)*

*Joshua Fisher (Columbia University, U.S.A.)*

*John Lee Candelaria (Hiroshima University, Japan)*

*Ayyoob Sharifi (Hiroshima University, Japan)*

12:30–1:30 Lunch Break

#### **Closing Ceremony**

*Venue: Verdure, 4th Floor, Henry Sy Sr. Hall*

1:30–1:50 Awarding of Best Papers and Best Presentations

*Prof. Ayyoob Sharifi (NERPS, Hiroshima University and Conference Co-Chair)*

*Dr. Dahlia Simangan (NERPS, Hiroshima University and Conference Co-Chair)*

1:50–2:00 Closing Remarks

*Prof. Anthony Shun Fung Chiu (Vice President for External Relations and Internationalization, De La Salle University and Conference Co-Chair)*

#### **Manila City Tour**

*Assembly Point: Verdure, 4th Floor, Henry Sy Sr. Hall*

2:15–2:45 Travel to Intramuros

2:45–3:45 Fort Santiago

3:45–4:30 Casa Manila Museum, Plaza San Luiz

4:30–5:00 Return to DLSU Manila

## **MARCH 8 SATURDAY**

#### **Optional Excursion to Villa Escudero Plantations and Resort**

*Venue: Villa Escudero Plantations and Resort (Day Tour)*

*Villa Escudero, Km 91, Tiaong Quezon*

5:15–5:30 Departure from DLSU Manila (North Gate)

5:30–8:00 Travel to Villa Escudero

8:00–5:00 Activities

Welcome Drinks

Carabao cart ride

Guided walking tour at the Villa Escudero's Museum

Swimming Pool and Jacuzzi Access: In proper attire like spandex, cycling, or dri-fit clothing

Lunch Buffet at the famous Labasin Waterfalls (11:30-2:00)

Cultural Show (2:00-3:15)

Bamboo rafting

5:05–9:00 Return to DLSU Manila

## Keynote Speakers

**Prof. Tshilidzi Marwala**

*Rector of the United Nations University and Under-Secretary-General of the UN*



Prior to taking up the role of UNU Rector on 1 March 2023, Prof. Tshilidzi Marwala served as Vice-Chancellor and Principal of the University of Johannesburg, South Africa, from January 2018 to February 2023. Prior to that, he was the university's Deputy Vice-Chancellor for Research and Internationalization (2013–2017) and Executive Dean of the Faculty of Engineering and the Built Environment (2009–2013). Earlier in his career, Prof. Marwala was a Full Professor and Associate Professor at the University of the Witwatersrand (2003–2008). He also gained industry and research experience as an Executive Assistant to the Technical Director at South African Breweries (2001–2003) and a Postdoctoral Research Associate at Imperial College London (2000–2001).

Prof. Marwala has been a visiting scholar/professor at universities in the USA, the UK, China, and South Africa. He has extensive academic, policy, management, and international experience, and is a co-holder of five patents. His research has been multi-disciplinary, involving the theory and applications of artificial

intelligence to engineering, social science, economics, politics, finance, and medicine. He has served on a variety of global and national policymaking bodies, and has worked with such United Nations entities as UNESCO, UNICEF, WHO and WIPO.

He holds a PhD degree from the University of Cambridge (UK), a Master of Mechanical Engineering degree from the University of Pretoria (South Africa), and a Bachelor of Science degree (magna cum laude) from Case Western Reserve University (USA). He also completed management and leadership programmes at the Columbia Business School and Harvard Business School.

Prof. Marwala is a distinguished member of the UN Secretary-General's Scientific Advisory Board and a Fellow of several prestigious institutions, including the American Academy of Arts and Sciences, The World Academy of Sciences (TWAS), the Academy of Science of South Africa, and the African Academy of Sciences. With an extensive body of work, he has authored over 25 books, including *Leadership Lessons from Books I Have Read* (2021) and *Leading in the 21st Century: The Call for a New Type of African Leader* (2021). His contributions also span numerous book chapters, journal articles, conference papers, and over 250 opinion pieces published in magazines and newspapers.

Among the awards that Prof. Marwala has received are the Order of Mapungubwe (South Africa's highest honour) and the Academy of South Africa's Science-for-Society Gold Medal. He was named the "2021 IT Personality of the Year" by the Institute of IT Professionals South Africa, and one of the "100 Most Influential Africans of 2024" by *NewAfrican Magazine*.

H.E. Commissioner Prof. Dr. Alvin Culaba

*Commissioner on Science and Technology at the UNESCO National Commission of the Philippines*



Prof. Dr. Alvin B. Culaba is a distinguished Full Professor of Mechanical Engineering at De La Salle University (DLSU), Manila, Philippines. He holds a PhD in Mechanical Engineering from the University of Portsmouth, UK, and has completed post-doctoral fellowships at the University of Sussex (UK), the Abdus Salam International Centre for Theoretical Physics (Italy), and the University of Portsmouth (UK).

Dr. Culaba is renowned for his pioneering work in Life Cycle Assessment (LCA) methodology. His research encompasses mechanical engineering, design engineering, and mechanical processes, with applications in energy-environment interactions, cleaner production technology, energy technology and management, alternative energy, environmental management systems, manufacturing and environmental systems engineering, and renewable energy systems.

In 2006, he established the Philippine LCA Clearinghouse (PhilCA) at DLSU-Manila, linking the country to the international LCA network and serving as a center for LCA research. Dr. Culaba has significantly contributed to academia by establishing the first and only PhD in Mechanical Engineering program in the Philippines. He has also conducted extensive training in research and education across various engineering schools nationwide.

On October 3, 2024, he was appointed Commissioner on Science and Technology at the UNESCO National Commission of the Philippines, promoting international collaboration in education, science, culture, communication, and information.

Throughout his career, Dr. Culaba has published numerous research papers, contributing significantly to the fields of mechanical engineering and environmental science.

## Conference Committee



### **Shinji Kaneko (Chair)**

Director, NERPS / Professor, The IDEC Institute, Hiroshima University

Shinji Kaneko is the Executive Vice President for Global Initiatives and a Professor at the Graduate School of Humanities and Social Science at Hiroshima University. He graduated from the School of Engineering at Kyushu University majoring in water engineering (Dr. of Engineering). Immediately after the completion of his doctoral program, he joined the Institute for Global Environmental Strategies (IGES) in 1999 as a researcher and conducted research on urban climate policy in Asian megacities for three years. He also worked at the Global Change System for Analysis, Research and Training (START) as a Research Fellow for three years from 2005. In 2018, he was appointed as the Director of the Network for Education and Research on Peace and Sustainability (NERPS) at Hiroshima University. He has conducted numerous policy research on natural resources, energy, and the environment in developing countries.



### **Anthony Shun Fung Chiu (Co-Chair)**

Vice President for External Relations and Internationalization/  
Professor, De La Salle University

Anthony SF Chiu is the Vice President for External Relations and Internationalization, Presidential Adviser on Sustainability, University Fellow and Distinguished Full Professor in Industrial & Systems Engineering at De La Salle University. He co-authored more than 200 UN development project manuscripts and indexed journal articles in the SDG12 (Sustainable Consumption and Production) area, including Nature and PNAS articles. Anthony also has served the national government as the Pollution Adjudication Board Member (rank of Commissioner) since 2004 to present. He is an official delegate of the Philippine government in various UN summits, i.e. Rio+20, UNEA-6 and SDG Roadmap. He is a member of the UN International Resource Panel and the founding editor-in-chief of the Elsevier Journal of Cleaner and Responsible Consumption. He is currently president of the International Foundation for Production Research.



**Ayyoob Sharifi (Co-Chair)**

Professor, The IDEC Institute and Graduate School of Humanities and Social Sciences, Hiroshima University

Ayyoob Sharifi is Professor at the IDEC Institute, Hiroshima University. His research is mainly at the interface of urbanism and climate change mitigation and adaptation. Ayyoob actively contributes to global change research programs such as the Future Earth and has served as a lead author for the Sixth Assessment Report (AR6) of the Intergovernmental Panel on Climate Change (IPCC). Before joining Hiroshima University, he was the Executive Director of the Global Carbon Project (GCP)-a Future Earth core project. There, he was leading the urban flagship activity of the project that is focused on conducting cutting-edge research for supporting climate change mitigation and adaptation in cities. He holds a bachelor's degree in civil engineering (Surveying), a master's degree in Urban and Regional Planning, and a doctorate in Environmental Engineering. He has published extensively on issues related to urban environmental science and is interested in

pursuing research at the interface of climate change and urban planning. The ultimate goal of his research is to provide further insights into how to develop sustainable, peaceful, just, and resilient urban communities.



**Dahlia Simangan (Co-Chair)**

Associate Professor, The IDEC Institute and Graduate School of Humanities and Social Sciences, Hiroshima University

Dahlia Simangan is Assoc. Professor of International Relations at Hiroshima University's Graduate School of Humanities and Social Sciences where she teaches *Global Governance, United Nations Peace Missions, and Peace, Conflict, and the Environment*. She is a former Kanagawa University JSPS Postdoctoral Research Fellow (nominated by the United Nations University-Centre for Policy Research in Tokyo). She obtained her PhD in International, Political & Strategic Studies from the Australian National University in 2017, her MA in International Relations from the International University of Japan in 2010, and her BA in Sociology from the University of the Philippines, Diliman in 2006. Her research interest in peace and conflict studies includes topics on international peacebuilding, the peace-environment nexus, and the Anthropocene. She is the Assistant Editor of *Peacebuilding* and a member of the *Planet Politics Institute*.

## SCIENTIFIC COMMITTEE

### *Core Members of the Scientific Committee*

Akira Hibiki	Professor and Head of Policy Design Lab, Graduate School of Economics and Management, Tohoku University
Fumiko Kasuga	Professor, Nagasaki University and Global Hub Director, Japan Hub, Future Earth
Vally Koubi	Professor and Senior Scientist, ETH Zürich
Hassan Virji	Member, NERPS Advisory Board; Emeritus Executive Director, START International

### *Members of the Scientific Committee for 2025*

Katherine Alfredo	Assistant Professor, University of South Florida; Specially Appointed Associate Professor for Peace and Sustainability, Hiroshima University
Yvette Baninla	Adjunct Assistant Professor, Queen's University, Canada
Prakash Bhattarai	Executive Director, Centre for Social Change (CSC), Nepal
Glenda Tibe Bonifacio	Dean, Faculty of Social Sciences and Humanities, and Professor in Gender and Women's Studies, Lakehead University, Canada
Srinjoy Bose	Senior Lecturer, School of Social Sciences, University of New South Wales (Sydney)
John Lee Candelaria	Assistant Professor in the International Peace and Co-existence Program at the Graduate School of Humanities and Social Sciences, Hiroshima University
Johann Caro-Burnett	Assistant Professor at the International Economic Development Program, Hiroshima University
Joshua Fisher	Director and Research Scientist, Advanced Consortium on Cooperation, Conflict and Complexity (AC4), Columbia Climate School, Columbia University; Specially Appointed Professor for Peace and Sustainability, Hiroshima University
Charlo Bianci M. Guray	Associate Professor and Director for Planning and Resource Management, Davao del Norte State College
Mohamed Hachaichi	Post-Doc Fellow, University of Grenoble Alpes, Grenoble, France
Eliseo F. Huesca, Jr.	Professor of Politics & Governance and Vice President for Research, Extension, and Production, Davao del Norte State College
Tobias Ide	Senior Lecturer in Politics and International Relations, Murdoch University; Specially Appointed Professor for Peace and Sustainability, Hiroshima University
Dhanasree Jayaram	Assistant Professor, Department of Geopolitics and International Relations (DGIR), and Co-coordinator, Centre for Climate Studies, Manipal Academy of Higher Education (MAHE), Karnataka, India
Ali Kharrazi	Senior Research Scholar, International Institute for Applied Systems Analysis (IIASA), Systemic Risk and Resilience (SYRR) Research Group
Anil Kumar	Professor at the Department of Mechanical Engineering, Delhi Technological University
Francisco A. Magno	Professor at the Political Science and Development Studies Department, De La Salle University
Letícia dos Muchangos	Project Assistant Professor at the Center for Global Commons (CGC), Institute for Future Initiatives (IFI), University of Tokyo
Leo D. Rayon, Jr.	Associate Professor and Director for Social Development and Human Security Studies Center, Davao del Norte State College
Jasman Tuyon	Senior Lecturer, Faculty of Business and Management, Universiti Teknologi MARA, Malaysia
Tingjia Wang	Assistant Professor of Applied Linguistics, Hiroshima University
Anthony Shun Fung Chiu	Professor and Vice President for External Relations and Internationalization, De La Salle University



**Medical Assistance**

For any medical concerns during the NERPS Conference in Manila, participants may seek assistance at the University Main Clinic, located on the Ground Floor of Bro. Cannon Hall.

Clinic Contact Information:

Main Clinic

- Local: 221 / 222
- Direct Line: 8536-0252

Sports Clinic

- Local: 334 / 333
- Direct Line: 8562-2829

In case of emergencies, the University's Patient Transport Vehicle is available for ambulance conduction to appropriate medical facilities.

**Philippine National Police: 911**



NERPS



De La Salle University

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