



NERPS CONFERENCE 2023

FEB 28-MAR 3

AIT Conference Center, Thailand

Bridging Peace and Sustainability amidst Global Transformations



HIROSHIMA UNIVERSITY



AIT
Asian Institute of Technology

PROGRAM OVERVIEW

FEBRUARY 28 (TUESDAY)

8:00–09:00	Registration	13:30–15:00	Parallel Sessions 2
9:00–10:00	Opening Ceremony & Keynote Address	Session 2.7	Workshop: Narrative Transformation for More Effective Negotiations
10:00–10:30	Break	Session 2.8	Sustainable Cities and Communities C
10:30–12:00	Parallel Sessions 1	Session 2.9	Human Mobility and Migration
Session 1.1	Decent Work and Sustainable Industries	Session 2.10	Organized Panel: Ecosystem (Dis)Services and Human Well-being Dynamics in Changing Landscapes: Exploring the Links, Synergies and Trade-offs (Online)
Session 1.2	Peace, Justice and Strong Institutions	Session 2.11	Partnerships for the SDGs (Online)
Session 1.3	Sustainable Cities and Communities A	Session 2.12	Equality and Inclusivity in Production and Consumption (Online)
Session 1.4	Gender Equality and Women's Empowerment A (Online)	15:00–15:30	Break
Session 1.5	Sustainable Cities and Communities B (Online)	15:30–17:00	Parallel Sessions 3
Session 1.6	Good Health and Well-being A (Online)	Session 3.13	Responsible Production and Consumption
12:00–13:30	Lunch Break	Session 3.14	Quality Education A
		Session 3.15	Roundtable: Peacebuilding and Sustainability through Food and Art: Unleashing Creative Disruption as a Tool for Change
		Session 3.16	Affordable and Clean Energy A (Online)
		Session 3.17	Policies and Interventions for Achieving the SDGs (Online)
		Session 3.18	Climate Action (Online)
		17:30–20:00	Welcome Reception & Networking Social Event (Chao Phraya dinner cruise)

MARCH 1 (WEDNESDAY)

9:30–10:00	Plenary Session & Keynote Address	13:30–15:00	Parallel Sessions 5
10:00–10:30	Break	Session 5.22	Good Health and Well-being B
10:30–12:00	Parallel Sessions 4	Session 5.23	Affordable and Clean Energy B
Session 4.19	Biodiversity and Ecosystems A	Session 5.24	Organized Panel: Big Data for Urban Sustainability: Exploring Smart-Resilient Examples
Session 4.20	Promoting Peace, Development, and Good Governance	15:00–15:30	Break
Session 4.21	Social Sustainability and Inclusion of Vulnerable Groups	15:30–17:00	Parallel Sessions 6
12:00–13:30	Lunch Break	Session 6.25	Water Sustainability and Security
		Session 6.26	Gender Equality and Women's Empowerment B
		Session 6.27	Organized Panel: Sustainability Research from Different Disciplines: Sharing by Young Scholars

MARCH 2 (THURSDAY)

9:00–10:30	Parallel Sessions 7	13:30–15:00	Parallel Sessions 9
Session 7.28	Workshop: Dialogical Reflexivity towards Decoloniality in Knowledge Production, Education, and International Collaborations	Session 9.35	Biodiversity and Ecosystems B
Session 7.29	Sustainable Use of Terrestrial Ecosystems	Session 9.36	Sustainable Agriculture
Session 7.30	Good Governance for the SDGs	Session 9.37	Affordable and Clean Energy C
Session 7.31	Sustainable Employment and Financial Inclusion	15:00–15:30	Break
10:30–11:00	Break	15:30–17:00	Closing & Awarding Ceremony
11:00–12:30	Parallel Sessions 8		
Session 8.32	Quality Education B		
Session 8.33	Sustainable Cities and Communities D		
Session 8.34	Environmental Politics and Governance		
12:30–13:30	Lunch Break		

MARCH 3 (FRIDAY)

8:30–12:30	Session 10.38 Workshop: Applying the Positive Peace Framework to Peace and Sustainability Research
8:30–14:30	Excursion (Optional)

DETAILED PROGRAM

FEBRUARY 28 (TUESDAY)

Room assignments/Zoom links and chair assignments will be included in the version that will be circulated a week prior to the conference.

08:00–09:00 Registration
09:00–10:00 Opening Ceremony
RBB Auditorium

Opening Remarks

Prof. Kazuo Yamamoto, Interim President, Asian Institute of Technology
Mr. Yuichi OBA, Deputy Chief of Mission and Minister (Economic Affairs), the Embassy of Japan in Thailand
Prof. Shinji Kaneko, Executive Vice President and NERPS Director, Hiroshima University / Conference Chair

Keynote Address

H.E. Dr. Suwit Khunkitti, Vice Chairperson, Board of Trustees, Asian Institute of Technology, and former Deputy Prime Minister of Thailand

10:00–10:30 Break

PARALLEL SESSIONS 1

Session 1.1 Decent Work and Sustainable Industries

10:30–12:00 RBB Auditorium (February 28 Tuesday)
Chair: Mushtaq Ahmed Memon (UNEP Regional Office for Asia, Thailand)

Hybrid Interventions to Increase Team Productivity: The Case of Hiroshima University

Elsy Marielos Quintanilla Perez and Daisaku Goto (Hiroshima University, Japan)

External Support, Innovation Capabilities and Resilience of the Manufacturing Firms in Myanmar: Moderation of Personality Traits

San Sandar Win and Yoshi Takahashi (Hiroshima University, Japan)

Assessment of Brokerage System in Taiwan

Anna Joceline Dizon Ituriaga (National Chengchi University, Taiwan)

Developing a GIS-based Agro-ecological Model for Sustainable Agricultural Production in Arid and Semi-arid Areas: A Case of Kerman Province, Iran

Kamaleddin Aghaloo and Ayyoob Sharifi (Hiroshima University, Japan)

Effect of Training on Supervisors' Performance in the Public Service of Kenya

Caroline Syombua Kimeu (Hiroshima University, Japan)

Session 1.2 Peace, Justice and Strong Institutions

10:30–12:00 B 202 (February 28 Tuesday)
Chair: Dahlia Simangan (Hiroshima University, Japan)

Agency and Governance in Post-Civil War Peace-making: Long-term Trajectories and the Implications for Analysing Peace

Gyda Sindre (University of York, UK)

Integrating Multicultural Approach in Peacebuilding: Youth Narratives from Thailand's Deep South

Anna Christi Suwardi (Mae Fah Luang University, Thailand)

Bangsamoro Youth in Peacebuilding: Contributions, Opportunities and Challenges

Yasmin Abdurahim Tagorda and Francisco A. Magno (De La Salle University-Manila, Philippines)

The 'Women, Peace and Security (WPS)' Approach to Conflict Resolution and the Case of the Rohingyas

Robaiya Nusrat and Mokbul Morshed Ahmad (Asian Institute of Technology, Thailand)

Securitisation of Radical Islam: The Destructive Power of Shared Co-production of Existential Threat Image—The Case of Bodu Bala Sena

Sucharitha Vichithra Sooriyaarachchi (Hiroshima University, Japan)

Session 1.3 Sustainable Cities and Communities A

10:30–12:00 B 206 (February 28 Tuesday)
Chair: Baojie He (Chongqing University, China)

Comparative Analysis of the Surface Urban Heat Island Effect Based on the Local Climate Zone (LCZ) Classification Scheme for Two Japanese Cities, Hiroshima and Sapporo

Neshat Rahmani (Hiroshima University, Japan)

Evaluation of Surface Urban Heat Island (SUHI) Phenomenon Using Local Climate Zone (LCZ) Classification: The Case of Kabul City

Fazal Akbar Akbari and Ayyoob Sharifi (Hiroshima University, Japan)

Preferencing Transit Oriented Development (TOD) Locations through A Series of Multiple-Criteria Decision Analysis (MCDA)

Instruments: A Case Study Model from Thailand's Pre-TOD Build-up

Akarawit Sapsangthong and Vilas Nitivattananon (Asian Institute of Technology, Thailand)

Nuwong Chollacoop (Thailand National Energy Technology Center, Thailand)

Session 1.4 Gender Equality and Women's Empowerment A

10:30–12:00 B 204 / Online (February 28 Tuesday)

Chair: Yvette Baninla (Queens University, Canada)

(En)-gendering Demobilization, Disarmament and Rehabilitation Strategies for Environmental Conflict Transformation in Peace Operations

Vani Bhardwaj (Indian Institute of Technology, Guwahati, India)

Gender, Climate Security, and Migration: Building Bridges to Peace in South and East Asia

Maryruth Belsey-Priebe (Pacific Forum International, USA)

Mitigating Violence Against Women and Girls in Agriculture in South Asia

Vani Bhardwaj (Indian Institute of Technology, Guwahati, India)

Gender, Foreign Disaster Aid and Sustainability: Challenges and Transformations in Post-Haiyan Philippines

Glenda Tibe Bonifacio (University of Lethbridge, Canada)

Session 1.5 Sustainable Cities and Communities B

10:30–12:00 TV Room / Online (February 28 Tuesday)

Chair: Sophia Maalsen (Digital Geography and Society, Elsevier / University of Sydney, Australia)

Smart City and Urban Resilience in Urban Planning and Design Research: Missing Links and Research Agenda

Shabnam Varzeschi (RMIT University, Australia)

Remittance Inflows and Energy Transition of the Residential Sector in Developing Countries

Anil Shrestha (Hiroshima University, Japan)

Makoto Kakinaka (Ritsumeikan University, Japan)

Evaluation of Solid Waste Management Sustainability for Consideration in the Construction of Integrated Waste Processing Sites (TPST) in Madiun City, Indonesia

Amaranta Qyana Aubrey Darmawan, Raisa Aqilatun Nafisa, Ni Nyoman Nepi Marleni, Johan Syafri Mahathir Ahmad and Adhin Harum Wulaningtyas (Gadjah Mada University, Indonesia)

Meaningful Information Disclosure/Social Acceptance and Its Establishment of Procedural Justice within Strategic Environmental Assessment (SEA) of Vientiane Transport Master Plan (VTMP) Study under COVID-19 Pandemic Situation

Thodsakhone Razmouny (Vientiane Transport Master Plan Study Office, Laos)

Takanori Hayashida (International Development Center of Japan, Japan)

Souphany Heuangkeo (Ministry of Public Works and Transport, Laos)

Session 1.6 Good Health and Well-being A

10:30–12:00 B 223 / Online (February 28 Tuesday)

Chair: Ryuichi Sato (Hiroshima University, Japan)

Beauty and Trauma Uprising

Michelle Zheng (Nanyang Technological University, Singapore)

Physician Behaviour: Patient and Physician Perspectives from Ghana Using List Experiment Approach

Adolf Kwadzo Dzampe and Daisaku Goto (Hiroshima University, Japan)

Experiences and Views of Left-behind Children in the Context of Immigration in China: A Life Course Perspective

Ziyang Liu and Anita Kit Wa Chan (Education University of Hong Kong, China)

Impact of Day Care Facilities in Workplace on Employed Women's Working Hours and Income: The Case Study of Bangladesh

Mariam Khan and Niraj Prakash Joshi (Hiroshima University, Japan)

Stakeholder Salience of Public Water Supply Governance in Conflict-Affected Areas: The Case of Rakhine State, Myanmar

Thin Khaing and Thi Phuoc Lai Nguyen (Asian Institute of Technology, Thailand)

12:00–13:30 Lunch Break

PARALLEL SESSIONS 2

Session 2.7 Workshop: Narrative Transformation for More Effective Negotiations

13:30–15:00 RBB Auditorium (February 28 Tuesday)

Chair: Beth Fisher Yoshida (Columbia University, USA)

Session 2.8 Sustainable Cities and Communities C

13:30–15:00 B 202 (February 28 Tuesday)

Chair: Baojie He (Chongqing University, China)

Disentangling Environmental Justice Dimensions of Urban Green Spaces in Cities of the Global South

Ngoc Thuy Nguyen (Imperial College London, UK)

Lam Nguyen (Urban and Economic Newspaper, Vietnam)

Refining the Opinion of the Stakeholder in Determining Vulnerability Criteria of Solid Waste Management

Ni Nyoman Nepi Marleni, Adhin Harum Wulaningtyas, Johan Syafri Mahathir Ahmad, Elsa Febriana Devi and Raisa Aqilatun Nafisa (Gadjah Mada University, Indonesia)

Impact of Increase in Block Pricing on Electricity Demand Responsiveness: Evidence from Regression Kink Design
Winfred Ayertey, Ayyoob Sharifi and Yuichiro Yoshida (Hiroshima University, Japan)

Exploring the Current Practices of Environmental Managerial System at University Level: A Case on Khulna City, Bangladesh
Md. Nazmul Haque and Ayyoob Sharifi (Hiroshima University, Japan)

Hasan Zonaed, Samiha Mahzabin Ritu, Aditi Saha, Nihar Ronjon Roy, Shagor Mojumder and Mubashwera Firoz (Khulna University of Engineering & Technology, Bangladesh)

Session 2.9 Human Mobility and Migration

13:30–15:00 B 206 (February 28 Tuesday)

Chair: Vally Koubi (ETH Zürich, Switzerland)

Impact of Migration on Women's Income and Working Hours: Evidence from Bangladesh

Najia Adina, Mohammad Abdul Bari and Yuichiro Yoshida (Hiroshima University, Japan)

Factors Influencing Local Attitudes towards Myanmar Refugees with Lack of Recognition: Evidence from Thailand

Watchara Pechdin and Mokbul Morshed Ahmad (Asian Institute of Technology, Thailand)

Impact of the 2019 Re-demarcation of Boundary Line Between Indonesia and Malaysia on Sebatik Island

Amin Nurdin, Sudjito and I Made Andi Arsana (Universitas Gadjah Mada, Indonesia)

The Impact of Migration Acculturation Strategies on Self-continuity: A Case Study of Thai Skilled Workers in Japan

Parkpoom Kuanvinit (Hiroshima University, Japan)

Session 2.10 Organized Panel: Ecosystem (Dis)Services and Human Well-being Dynamics in Changing Landscapes: Exploring the Links, Synergies and Trade-offs

13:30–15:00 B 204 / Online (February 28 Tuesday)

Chairs: Catherine M Hepp and Ahmad Dhiaulhaq (Research Institute for Humanity and Nature, Japan)

Discussant: Maike Hamann (Stellenbosch University, South Africa)

Resource Dispossessions and Human Well-being Outcomes in the Context of Land-based Investments in Lao PDR

Vong Nanthavong (University of Bern, Switzerland)

Ecosystem Services Change and Well-being during Forest-agriculture Transformations in Southern Cameroon: Implications for Equity

Catherine M Hepp and Ahmad Dhiaulhaq (Research Institute for Humanity and Nature, Japan)

Spatial-Temporal Assessment of Ecosystem Services and Human Well-being Dynamics in Changing Forest Frontier Landscapes Under Telecoupling in Northern Laos

Phokham Latthachack (University of Bern, Switzerland and National University of Laos, Laos)

Jorge C. Llopis (University of Bern, Switzerland and Bangor University, UK)

Sithong Thongmanivong (National University of Laos, Laos)

Andreas Heinemann, Peter Messerli and Julie G. Zaehring (University of Bern, Switzerland)

Deliberative and Conventional Stated-preference Valuation on Protected Areas' Cultural Ecosystem Services: A Case Study in China

Haojie Chen (Australian National University, Australia)

Tong Zhang (Beijing Institute of Technology and Tongren University, China)

Luhua Wud (Tongren University, China)

Session 2.11 Partnerships for the SDGs

13:30–15:00 TV Room / Online (February 28 Tuesday)

Chair: Tobias Ide (Murdoch University, Australia)

The Role of Civil Society Partnerships in Transforming Timor-Leste's Education Sector: Exploring the Relationship between Tension and Positive Change in Sustainable Development

Maxim Mancino and Ornella Byak (Building East Timor Through Education & Resources (BETTER), East Timor)

Raffaele Ciriello (University of Sydney, Australia)

The Significance of Cultural Diplomacy and the Role of Non-state Actors in Building Diplomatic Platforms in the Context of Arts and Culture

Samantha Layton-Matthews (University of Johannesburg, South Africa)

The Global Cost of (Internationally) Uncoordinated Environmental Policies

Johann Caro-Burnett (Hiroshima University, Japan) and Luis E. Gonzales-Carrasco

Toward Synergies between Peace and Sustainability: Using Institutional Research Data to Explore the Diversity of Participants in SDGs-related Research

Megumi Watanabe (Hiroshima University, Japan)

Session 2.12 Equality and Inclusivity in Production and Consumption

13:30–15:00 B 223 / Online (February 28 Tuesday)

Chair: Thi Phuoc Lai Nguyen (Asian Institute of Technology, Thailand)

French Teleworkers' Work Engagement and Job Satisfaction during Times of Lockdown: The Peaceful Role of Acceptance

Caroline Cuny and Dominique Steiler (Grenoble Ecole de Management, France)

Mathieu Pinelli (Université Grenoble Alpes, France)

Marion Trousselard (Université de Lorraine, France)

Lionel Strub (École de Psychologues Praticiens de l'Institut Catholique de Paris, France)

Rebecca Shankland (Université Lumière Lyon 2, France)

The Effect of the Child Allowance Program on Female Labor Participation: Evidence from Mongolia

Undral Lkhagva, Ghulam Dastgir Khan and Yuichiro Yoshida (Hiroshima University, Japan)

Can Labor Intensive Manufacturing & Dynamic Service Sector Led Growth Attain Sustainable Development and 'Positive Peace' in Bangladesh: A Sectoral Approach Using Input-output Analysis

Muhammad Tashfiq Huq and Masaru Ichihashi (Hiroshima University, Japan)

Implications of Regulations and Policies Related to Food and Food Waste Management in Sri Lanka

A.M.S.N. Amarakoon (Asian Institute of Technology, Thailand)

I.C. Waidyarathne (University of Peradeniya, Sri Lanka)

M.M.K.R.N.D. Senavirathne (Uva Wellassa University, Sri Lanka)

15:00–15:30 Break

PARALLEL SESSIONS 3

Session 3.13 Responsible Production and Consumption

15:30–17:00 B 202 (February 28 Tuesday)

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

Economic and Environmental Impact Assessment of the Adoption of High Value-added Utilization Technologies for Biomass Residues in the Malaysian Palm Oil Industry

Tomoyo Toyota (Shimane University, Japan)

Shinji Kaneko (Hiroshima University, Japan)

Investigating the Sustainability of Resource Flow and Productivity Transition in Ghana: Integrating MFA and DEA Malmquist Productivity Index Approach

Richard Agyemang (University of Leipzig, Germany)

Liang Dong (City University of Hong Kong, China)

Hatem Mahmoud (Aswan University, Egypt)

Ibrahim Yahaya Wuni (King Fahd University of Petroleum and Minerals, Saudi Arabia)

Factors Influencing Farmer's Preference for Farmland Consolidation: A Study in Gaidakot, Nepal

Roshan Pun and Niraj Prakash Joshi (Hiroshima University, Japan)

Studies on the Use of Locally Available (Cox's Bazar and Saint Martin) Alternative Renewable Seaweeds Wastes as Compost Organic Fertilizer Resources

Durlave Roy (Bangladesh Open University, Bangladesh)

The Students' Choice of Cage-Free Eggs in Japan: Do Tasting and Information Change Food Choice?

Kanae Nakai and Daisaku Goto (Hiroshima University, Japan)

Session 3.14 Quality Education A

15:30–17:00 B 206 (February 28 Tuesday)

Chair: Mohammad Ashaq Malik (Government PG College Rajouri, India)

Institutional Sustainability of Extension Programs of Higher Education Institutions (HEIs) in the Province of Pangasinan, Philippines

Rizalyn Mendoza Kolman and Aliguas Mae Dumlao (Virgen Milagrosa University Foundation, Philippines)

Education for Sustainable Post-conflict Reconciliation: A Sri Lanka Case Study

Shashika Jeevanie Pothmitiyage (Hiroshima University, Japan)

Rohingya Language Crisis: Teaching Learning in Foreign Languages to Rohingya Refugees Children Threatening Ethnic Identity

Md Ahmedul Azam (Hiroshima University, Japan)

Mushrat Jarin Toma (Interac West Co., Japan)

Session 3.15 Roundtable: Peacebuilding and Sustainability through Food and Art: Unleashing Creative Disruption as a Tool for Change

15:30–17:00 RBB Auditorium (February 28 Tuesday)

Chair: Joshua Fisher (Columbia University, USA)

Panelists: *Beth Fisher Yoshida (Columbia University, USA)*

Gorka Espiau and Itziar Moreno (University of the Basque Country, Spain)

TBD (UNDP Thailand, Thailand)

Session 3.16 Affordable and Clean Energy A

15:30–17:00 B 204 / Online (February 28 Tuesday)

Chair: Sam Kinsley (Digital Geography and Society, Elsevier / University of Exeter, UK)

Barriers to the Implementation of Smart Grid Technology-Challenges and Way Forward

Lubna Nazir and Ayyoob Sharifi (Hiroshima University, Japan)

Analyzing the Current Status and Barriers for the Diffusion of Distributed Rooftop Photovoltaics in the Southeast Asia Region:

Lessons Learned from the US, Germany, and Rwanda

Zihao Zhu and Masachika Suzuki (Sophia University, Japan)

Comprehensive Cost-benefit Analysis of Biomass Power Generation: Accounting for Environmental Externalities

Masahiko Haraguchi, Tomoyo Toyota, Kosuke Miyatake and Makoto Taniguchi (Kyoto University, Japan)

Public Perceptions toward Hydropower Development: The Case of Rural Areas in Cambodia

Vithyea You and Daisaku Goto (Hiroshima University, Japan)

Makoto Kakinaka (Ritsumeikan University, Japan)

Social Impact of Covid-19 Electricity Subsidy on the Lifeline Citizen's Welfare in Ghana: Sharp Regression Discontinuity Design

Ewurasi Boafowa Mensah and Shinji Kaneko (Hiroshima University, Japan)

Session 3.17 Policies and Interventions for Achieving the SDGs

15:30–17:00 TV Room / Online (February 28 Tuesday)

Chair: Yahua Wang (World Development Sustainability, Elsevier / Tsinghua University, China)

Peace Ambassadors: Anchored and Crossed Perspectives on Students' Future

Fabien Moreau (Grenoble Ecole de Management, France)

Bérengère Savelieff (Pax Christi, France)

The Impact of Peace Education and Activities on Students' "Peace Capital" at University: A Case Study of Peace Education at Hiroshima University

Francis Hikaru Oba (Hiroshima University, Japan)

The Contributions and Initiatives by the Melanesian Spearhead Group (MSG) in Addressing the Conflict in West Papua through Preventive Diplomacy

Aaron Denison Deivasagayam (Hiroshima University, Japan)

The Differential Effects of Simple SMS Reminders and Active Learning in Financial Decision-making: Experimental Evidence from Mongolia

Erdenebayar Zulzaya and Daisaku Goto (Hiroshima University, Japan)

Understanding Corporate Strategic Posture towards Environmental, Social and Governance (ESG) Disclosure in Times of Covid-19: Evidence from Malaysia

Wai Khuen Wong, Boon-Heng The and Siow-Hooi Tan (Multimedia University, Malaysia)

Session 3.18 Climate Action

15:30–17:00 B 223 / Online (February 28 Tuesday)

Chair: Ayyoob Sharifi (Hiroshima University, Japan)

Determinants of Consumer Willingness to Pay for Zero-carbon Certified Organic Vegetables under the Pilot of Personal Carbon Account in Guangzhou

Wei Wei, Manoj Potapohn, Sununtar Set and Supanika Leurcharusmee (Chiang Mai University, Thailand)

Grasping Flood Risk Management Knowledge by Gaming Simulation

Yusuke Toyoda (Ritsumeikan University, Japan)

Puntita Tanwattana (Chulalongkorn University, Thailand)

Assessment of Climate Change Impact on Hydrology of Lancang Mekong River Basin

Salik Bhusal, Sangam Shrestha and Tilasmi Aryal (Asian Institute of Technology, Thailand)

The effect of rainfall variability and government funding on commercial beef cattle production: The case of CEDA in Ghanzi District, Botswana

Given Matopote and Niraj Prakash Joshi (Hiroshima University, Japan)

17:30–20:00 **Welcome Reception & Networking Social Event (Chao Phraya dinner cruise)**

MARCH 1 (WEDNESDAY)

09:30–10:00 Plenary Session
RBB Auditorium

Keynote Address

Ms. Armida Salsiah Alisjahbana, Under-Secretary-General of the United Nations and Executive Secretary of the Economic and Social Commission for Asia and the Pacific (ESCAP)

10:00–10:30 Break

PARALLEL SESSIONS 4

Session 4.19 Biodiversity and Ecosystems A

10:30–12:00 RBB Auditorium (March 1 Wednesday)

Chair: Rajendra P. Shrestha (Asian Institute of Technology, Thailand)

Using System Dynamics Approach to Explore the Interaction of Factors Influencing the Sustainability of a Stingless Bee Cultivation System in Paseh, Sumedang Regency, Indonesia

Anwar Nasrudin, Parikesit and Susanti Withaningsih (Universitas Padjadjaran, Indonesia)

Wild Orchid Use and Distribution in Lao PDR

Hiroki Yasumatsu (Kyoto University, Japan)

Habitat Distribution Modeling of Agarwood (*Aquilaria Cumingiana* [Decne] Ridley) in Bohol, Central Visayas, Philippines

Tomas Diño Reyes, Jr. (University of the Philippines, Los Baños, Philippines)

Clonal Optimization of *Aquilaria Cumingiana* [Decne] Ridl. As Affected by Varying Leaf Number, Indole-3-Butyric Acid, and Physiological Age

Albert Arvisu Piñon (University of the Philippines, Los Baños, Philippines)

Session 4.20 Promoting Peace, Development, and Good Governance

10:30–12:00 B 202 (March 1 Wednesday)

Chair: Srinjoy Bose (University of New South Wales, Sydney, Australia)

Stay or Leave: Enquiries on Businesses-Community Relationship in Crisis Situations

Mari Katayanagi (Hiroshima University, Japan)

Can Mandatory Non-Financial Information Disclosure Benefit Companies? Evidence from Hong Kong Environmental, Social, and Governance ESG Disclosure Policy

Juan Xu, Shinji Kaneko and Daisaku Goto (Hiroshima University, Japan)

Environmentally-oriented Behaviour of Indian Manufacturing Firms: Does Internationalisation Matter?

Parijata Pradhan (Jawaharlal Nehru University, India)

Eco-guilt Triggering Pro-environmental Tourist Behavior: Moderating Effect of Religiosity and Mediating Role of Personal Norms and Social Norms

Sami Ullah (University of Central Punjab, Pakistan)

Tooba Ahmad (COMSATS University Islamabad, Pakistan)

Session 4.21 Social Sustainability and Inclusion of Vulnerable Groups

10:30–12:00 B 206 (March 1 Wednesday)

Chair: Mokbul Morshed Ahmad (Asian Institute of Technology, Thailand)

Environmental Change and Migration Aspirations: Evidence from Bangladesh

Vally Koubi and Jan Freihardt (ETH Zürich, Switzerland)

Lukas Rudolph (LMU Munich, Germany)

The Anthropology of Sustainable Development: Practice and Prospects of Scientific Engagement in Shared Space to Empower the Marginalized

Avanish Kumar (Management Development Institute, India)

Social Capital and Health Status of Left-behind Older Parents in India: A Cross-sectional Study

Manoj Dakua (International Institute for Population Sciences, India)

The Impact of Taxi Permit Lottery on Health Status of the 2015 Gorkha Nepal Earthquake Victims: Evidence from a Natural Experiment

Qiong Huang, Gautum Bhandari, Ghulam Dastgir Khan and Yuichiro Yoshida (Hiroshima University, Japan)

Does Information Dissemination Enhance Financial Inclusion among the Village Defense Party (VDP) Members?

Monzur Md Morshed and Keshav Lall Maharjan (Hiroshima University, Japan)

12:00–13:30 Lunch Break

PARALLEL SESSIONS 5

Session 5.22 Good Health and Well-being B

13:30–15:00 B 202 (March 1 Wednesday)

Chair: Ryuichi Sato (Hiroshima University, Japan)

Trade and Health: Effect of the 2015 Nepal-India Border Blockade on Child Mortality

Binaya Chalise and Shinji Kaneko (Hiroshima University, Japan)

Takahiro Ito (Kobe University, Japan)

Satoru Komatsu (Nagasaki University, Japan)

Health Inequities and Universal Health Coverage in India

Swati Jain (University of Allahabad Prayagra, India)

Rural-Urban Differences in Self-rated Health among Older Adults in India: Examining the Role of Marital Status and Living Arrangements

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

Association between Physical Impairment and Depression among Older People: Do Social Engagement and Living Arrangement Mediate the Relationship?

Papai Barman and Hariharsahoo (International Institute for Population Science, India)

Session 5.23 Affordable and Clean Energy B

13:30–15:00 B 206 (March 1 Wednesday)

Chair: Tomoyo Toyota (Shimane University, Japan)

Household Preference for Electric Cooking: A Case Study from Nuwakot District of Nepal

Jeevan Paudel (Hiroshima University, Japan)

Investigation on Power Output Variation of Agricultural Solar Water Pump System at Trimbakeshwar

Sharad Eknath Bodke (MET's Institute of Engineering, Nashik, India)

Gajanan Namdeorao Shelke (Sandip Institute of Engineering and Management, Nashik, India)

A Comparison of Ground and Air Source Heat Pump Performance for Domestic Applications: A Case Study in Perth, Australia

Tine Aprianti (University of Western Australia, Australia)

Experimental Assessment of Producer Gas Generation Using Agricultural Residues in a Circulating Fluidized Bed Gasifier with Inline Feeder to Circulating Unit

Tushar Dattatray Patil (MET's Institute of Engineering, Nashik, India)

Gajanan Namdeorao Shelke (Sandip Institute of Engineering and Management, Nashik, India)

Session 5.24 Organized Panel: Big Data for Urban Sustainability: Exploring Smart-Resilient Examples

13:30–15:00 RBB Auditorium (March 1 Wednesday)

Chair: Ali Cheshmehzangi (University of Nottingham Ningbo, China)

Panelists: Ayyoob Sharifi (Hiroshima University, Japan)

Zaheer Allam (Deakin University, Australia)

Tian Tang (CISDI Chengdu, China)

Leila Irajifar (RMIT University, Australia)

Baojie He (Chongqing University, China)

Maycon Sedrez (Deakin University, Australia)

15:00–15:30 Break

PARALLEL SESSIONS 6

Session 6.25 Water Sustainability and Security

15:30–17:00 B 202 (March 1 Wednesday)

Chair: Katherine Alfredo (University of South Florida, USA)

The Role of Ancient Lakes for Water Security and the Complexity of Management in Conflict-Affected Areas: the Case of Ancient Lakes in Mrauk U, Rakhine State of Myanmar

Chan Mra Thandar and Thi Phuoc Lai Nguyen (Asian Institute of Technology, Thailand)

Development of Water Sustainability Assessment Framework for Community Level

Ranju Bhatta, Mukand Singh Babel and Ho Huu Loc (Asian Institute of Technology, Thailand)

Contemporary Livelihoods Precarity and Water Insecurity in Post-disaster Resettlement Communities in the Philippines

Ginbert Permejo Cuaton and Masaru Yarime (Hong Kong University of Science and Technology, China)

Yvonne Su (York University, Canada)

Spatio-temporal Distribution of Groundwater Recharge in the Quiaoit River Watershed (QRW) in Northwestern Philippines

Julius Jimenez and Nitin Kumar Tripathi (Asian Institute of Technology, Thailand)

Geographical Information System Analysis of the Recharge Area Potentials in Rembang Karst Area, Central Java, Indonesia

Kafa 'Aisyana Ni'mah, Mirza Akbar Sadewa, Kafila Arzy, Nunky Febilia V., Silvi Mahbubah and Moh. Singgih Purwanto (Sepuluh Nopember Institute of Technology, Indonesia)

Session 6.26 Gender Equality and Women's Empowerment B

15:30–17:00 B 206 (March 1 Wednesday)

Chair: Patricia Garcia (Institute for Economics & Peace, Australia)

Sustainable Peacebuilding through a Dignity Lens: A Case Study of Caste-based Discrimination in Nepal

Ravi Shankar Rajaratnam and Mokbul Morshed Ahmad (Asian Institute of Technology, Thailand)

Mobility of Women to Mega Cities in India: Empirical Evidences from Recent Census

Chandrima Paul and Kailash Chandra Das (International Institute for Population Studies, India)

The Gender Wage Gap in a Female Dominant Industry: Evidence from Sri Lankan Cooperative Banks

Mayura Prasad Arandara (Hiroshima University, Japan)

Takahashi Shingo (University of Hyogo, Japan)

Workplace Discrimination in Civil Service: Evidence from List Experiment

Pramod Simkhada and Daisaku Goto (Hiroshima University, Japan)

Session 6.27 Organized Panel: Sustainability Research from Different Disciplines: Sharing by Young Scholars

15:30–17:00 RBB Auditorium (March 1 Wednesday)

Chair: Ross Cheung (Nanyang Technological University, Singapore)

Panelists: Lukas Torner (Zeppelin University, Germany)

Aakanchya Budhathoki (Kyoto University, Japan)

Juliana Cristina Friedrichsen (University of Eastern Finland, Finland)

PARALLEL SESSIONS 7

- Session 7.28 Workshop: Dialogical Reflexivity towards Decoloniality in Knowledge Production, Education, and International Collaborations**
 09:00–10:30 RBB Auditorium (March 2 Thursday)
 Facilitators: Harvy Joy Liwanag (University of Bern, Switzerland), Dahlia Simangan (Hiroshima University, Japan), and Srinjoy Bose (University of New South Wales, Sydney, Australia)
- Session 7.29 Sustainable Use of Terrestrial Ecosystems**
 09:00–10:30 B 202 (March 2 Thursday)
 Chair: Joshua Fisher (Columbia University, USA)
- Contentious Wetland: Conflict Claims and Social Forestry over the Peatland Areas in West Kalimantan
Dianto Bachriadi (Research Institute for Humanity and Nature, Japan)
- Economically or Ecologically Sustainability of Mangrove in Pasangkayu Regency, West Sulawesi Province, Indonesia
Hilma Safitri (Agrarian Resource Center, Indonesia)
- Vulnerability Assessment of Puerto Galera Bay to Climate Change as Affected by its Biophysical Characteristics and Urbanization
Fe Tolomia Ociones (Ecosystems Research and Development Bureau, Philippines)
- Rights, Responsibilities and Conservation: Strengthening and Sustaining Environmental Governance of Mt. Kitanglad Range Natural Park in Southern Philippines
Caroline Duque Pinon (University of the Philippines, Los Baños, Philippines)
Maria Easterluna Canoy and Dominador Decano (Kitanglad Integrated NGOs, Inc., Philippines)
Edgar Agbayani (Department of Environment and Natural Resources, Philippines)
- Prevalence of Illegal Pest Control Products across Kenya: An Experimental Evidence
Oscar Mwanzi and Masaru Ichihashi (Hiroshima University, Japan)
- Session 7.30 Good Governance for the SDGs**
 09:00–10:30 B 206 (March 2 Thursday)
 Chair: Ali Kharazzi (International Institute for Applied Systems Analysis (IIASA), Austria)
- Integrated Approaches towards Biodiversity Conservation amid Climate Crisis: A Review
Mohammad Ashaq Malik (Government PG College Rajouri, India)
- Relationship between the Rule of Law and Environmental Sustainability: A Review of Recent Literature
Nausheen Atta and Ayyoob Sharifi (Hiroshima University, Japan)
- Environmental Governance Structure of Belt & Road Initiative: A Polycentric View
Tooba Ahmad (COMSATS University Islamabad, Pakistan)
Sami Ullah (University of Central Punjab, Pakistan)
- Investigating Risks to Implementation of the ‘Great Equatorial Land Bridge’ Project Across Africa
Raphael Konde Kazungu and Ayyoob Sharifi (Hiroshima University, Japan)
- Session 7.31 Sustainable Employment and Financial Inclusion**
 09:00–10:30 B 204 (March 2 Thursday)
 Chair: Dipendra KC (Thammasat University, Thailand)
- Impact of Agricultural Subsidies on Paddy Workers’ Household Consumption Pattern in Sri Lanka
Gayani Deepika Manamperi and Masaru Ichihashi (Hiroshima University, Japan)
- Alleviating Limited Attention and Strengthening Focus to Trigger Savings Propensity: Seeking Experimental Evidence from Rural Setting of a Developing Economy
Avik Chowdhury and Daisaku Goto (Hiroshima University, Japan)
- Can Women’s Access to Cash Transfer Promote Girls’ Education? Evidence from Quasi-Experimental Designs
Ghulam Dastgir Khan, MD. Abdul Bari, Yuichiro Yoshida and Mari Katayanagi (Hiroshima University, Japan)
- Effect of Financial Education Training on Financial Literacy in Rural Bangladesh
Shamit Dasgupta (Hiroshima University, Japan)
- 10:30–11:00 Break

PARALLEL SESSIONS 8

- Session 8.32 Quality Education B**
 11:00–12:30 B 202 (March 2 Thursday)
 Chair: Avanish Kumar (Management Development Institute, India)
- Ecological Education in Islamic Religious Learning Based on Creative Imagination
Desfa Yusmaliana, Fifin Fitriana and Aji Kurbiyanto (Universitas Muhammadiyah Bangka Belitung, Indonesia)
Gamal Abdul Nasir Zakaria (Universiti Brunei Darussalam, Brunei Darussalam)

Local Educational Governance Reform through the “Educational Assembly” Initiative in Thailand: Institutionalizing Local Collaborative System for Achieving SDG4?

Takumu Hashimoto (Hiroshima University, Japan)

An Experimental Research on the Effectiveness of Emotional Intelligence Training with the Moderation Effect of Social and Organizational Support for the Government Officials in Sri Lanka

Kankanamge Ishara Madhunika Opatha and Yoshi Takahashi (Hiroshima University, Japan)

Session 8.33 Sustainable Cities and Communities D

11:00–12:30 B 206 (March 2 Thursday)

Chair: Ali Cheshmehzangi (University of Nottingham Ningbo, China)

Impact of Driving Restriction Policy on Search Volume of New Energy Vehicles

Ke Chang (Hiroshima University, Japan)

The Effect of State of Emergency Declaration (COVID-19) on Daily PM2.5 Concentration

Mingyuan Zhang (Hiroshima University, Japan)

Towards Peace and Sustainable Economic Prosperity through Eco-tourism: A Case of Multi-cultural and Multi-ethnic Community Along Annapurna Sanctuary Trail in Annapurna Region, Nepal

Surendra Tiwari and Thi Phuoc Lai Nguyen (Asian Institute of Technology, Thailand)

GIS-based Susceptibility Mapping of the Upper Marikina Watershed, Rizal, Luzon, Philippines Using Analytic Hierarchy Process, Logistic Regression, and Fuzzy Logic Methods

Tomas Diño Reyes, Jr. (University of the Philippines, Los Baños, Philippines)

The Future and Sustainable Imaginaries for a ‘Super Smart Society’: The Case of Society 5.0 Representation in the Osaka Expo 2025

Ross Cheung (Nanyang Technological University, Singapore)

Session 8.34 Environmental Politics and Governance

11:00–12:30 RBB Auditorium (March 2 Thursday)

Chair: Leticia Sarmiento dos Muchangos (University of Tokyo, Japan)

A Green Recovery: Reality, Hope or Myth. An Analysis of the SDG-7 in the Economic Recovery Plans in the Asia-Pacific Region

Daniel del Barrio Alvarez (University of Tokyo, Japan)

Michael Williamson (United Nations Economic and Social Commission for Asia and the Pacific, Thailand)

Political-economy of Mercury-free: An ASGM’s Perspective

Dianto Bachriadi and Tarmizi Abbas (Research Institute for Humanity and Nature, Japan)

Trade and Plastic Pollution in Southeast Asia

Kanin Laopirun and Takuji W. Tsusaka (Asian Institute of Technology, Thailand)

Status of Outstanding Boundary Problems between Indonesia and Malaysia in Sebatik Island

Amin Nurdin, Sudjito and I Made Andi Arsana (Universitas Gadjah Mada, Indonesia)

12:30–13:30 Lunch Break

PARALLEL SESSIONS 9

Session 9.35 Biodiversity and Ecosystems B

13:30–15:00 B 202 (March 2 Thursday)

Chair: Masaru Ichihashi (Hiroshima University, Japan)

Spatial Variations of Recent Deforestation across Global Ecosystems

Nguyen Tien Hoang and Keiichiro Kanemoto (Research Institute for Humanity and Nature, Japan)

Sustainability Challenges in Biodiversity Conservation Transition: A Case of Gaurishankar Conservation Area, Nepal

Sikshya Adhikary Rana and Kyoko Kusakabe (Asian Institute of Technology, Thailand)

Wendy Wright

Indole-3-Butyric Acid (IBA) and Leaf Trimming Regulate the Adventitious Root Formation of Stem Cuttings Derived from Mature *Aquilaria Cumingiana* [Decne] Ridl.

Albert Arvisu Piñon, Wilfredo M. Carandang, Ma. Jennalyn O. de Luna (University of the Philippines, Los Baños, Philippines)

Characteristics of Beetle Habitat (Order of Coleoptera) in Cipalawah Block Lowland Forest Vegetation Leuweung Sancang Nature Reserve, Garut Regency, West Java

Anwar Nasrudin and Dwi Putri Handayani (Universitas Padjadjaran, Indonesia)

Session 9.36 Sustainable Agriculture

13:30–15:00 B 206 (March 2 Thursday)

Chair: Daisaku Goto (Hiroshima University, Japan)

Investigating the Nexus between Agriculture and Relevant Sectors in Morocco: Evidence from Linear ARDL-ECM Approach

Oumaima Tounchibine and Hindou Baddih (Ibn Tofail University, Morocco)

The Effect of Disturbance on Landscape Structure and Function in Rural Landscapes in Sumedang Regency, Indonesia

Anwar Nasrudin, Parikesit and Susanti Withaningsih (Universitas Padjadjaran, Indonesia)

Systematization of Small-scale Farmers in Kyrgyzstan to Improve Crop Phytosanitary Safety in the Kyrgyz Republic: A Randomized Conjoint Experiment

Gulkaiyr Saparova and Niraj Prakash Joshi (Hiroshima University, Japan)

Impact of Training with the Free Provision of Entomophagous on Development of Organic Cotton Production on Conventional Cotton Farmers: A Case Study of Jalal-Abad Oblast of the Kyrgyz Republic

Renat Tokbaev (Hiroshima University, Japan)

The Rice Residue Management in Northwestern India

Rumiko Murao (Research Institute for Humanity and Nature, Japan)

Session 9.37 Affordable and Clean Energy C

13:30–15:00 RBB Auditorium (March 2 Thursday)

Chair: Ayyoob Sharifi (Hiroshima University, Japan)

The Customer Registration Moratorium and Customer Growth, Sales, and Revenue: Analysis of the Two Electricity Distribution Companies in Ghana

Evans Obiri Adjei and Yoshi Takahashi (Hiroshima University, Japan)

Experimental Investigation of Photo Voltaic Module Integrated Triple Slope Solar Still

Rahul Patel, Bhupendra Kosthi, Abhay Kumar, Ashutosh Kumar, Rahul Dev and Supriya Yadav (Motilal Nehru National Institute of Technology Allahabad, India)

The Effect of Feedback based on Real-Time Information on Electricity-Saving Behavior of Vietnamese Households

Nhu Ngoc Thi Nguyen and Daisaku Goto (Hiroshima University, Japan)

Carbon Footprint Embodied in City-scale Residential Energy Consumption

Yin Long and Liqiao Huang (University of Tokyo, Japan)

Techno-economic and Environmental Impact Assessment of Rooftop Solar PV Systems in Major States in India

Manoj Kumar Soni, Vishal Viswanathan and Suvanjan Bhattacharyya (Birla Institute of Technology and Science, Pilani, India)

15:00–15:30 Break

15:30–17:00 Closing & Awarding Ceremony
RBB Auditorium

Award Ceremony

Prof. Ayyoob Sharifi, NERPS Core Member, Hiroshima University / Conference Co-chair

Dr. Dahlia Simangan, NERPS Core Member, Hiroshima University / Conference Co-chair

Summary of the Conference and Closing Remarks

Prof. Shobhakar Dhakal, Vice President for Academic Affairs, AIT / Conference Co-chair

MARCH 3 (FRIDAY)

Session 10.38 Workshop: Applying the Positive Peace Framework to Peace and Sustainability Research

08:30–12:30 RBB Auditorium (March 3 Friday)

Facilitators: Patricia Garcia (Institute for Economics & Peace, Australia)

Dahlia Simangan (Hiroshima University, Japan)

Sorawit Sangsuwan (IEP Ambassador / Rotary Peace Activator)

08:30–14:30 **Excursion to Ayutthaya, a UNESCO World Heritage Site (Optional)**