Hiroshima International Conference on Peace and Sustainability 2022

March 1-4, 2022
Hiroshima, Japan
Hiroshima International Conference on Peace and Sustainability 2022
Welcome to the Hiroshima International Conference on Peace and Sustainability 2022. This inaugural NERPS conference brings together researchers and practitioners from various disciplines and sectors who are advancing our understanding of the important relationship between peace and sustainability. The issues we all face right now are becoming more challenging and complex, especially in the context of conflicts, ecological threats, and the COVID-19 pandemic. This conference serves as a platform for transdisciplinary dialogue toward addressing these challenges in the context of unprecedented global transformations.

We planned this conference in March last year with optimism that the COVID-19 pandemic would allow us to confer in person, but the recent surge in Omicron variant left us dealing with travel restrictions once again. Thank you for your patience as we manage the uncertainties involved in organizing an international conference in these challenging times. I trust that the hybrid format that our organizing team has prepared for all sessions will enable us to exchange ideas and foster meaningful collaboration.

Thank you for your participation, and I warmly welcome you to Hiroshima University.
Welcome

Mitsuo Ochi
President
Hiroshima University

Hiroshima University is a research university that advocates the five principles of its Guiding Principles: “The Pursuit of Peace,” “The Creation of New Forms of Knowledge,” “The Nurturing of Well-Rounded Human Beings,” “Collaboration with the Local, Regional, and International Community” and “Continuous Self-Development.” In 2017, we formulated the long-term vision “SPLENDOR PLAN 2017” and embodied the five Guiding Principles that had been the pillars of our action plan toward establishing “Science for Sustainable Development.” They are in line with the principles of the Sustainable Development Goals (SDGs) adopted by the United Nations General Assembly in 2015, and our academic community at Hiroshima University is determined to contribute to the peacefulness of society and sustainability of our planet.

Based on this determination, we established the Network for Education and Research on Peace and Sustainability (NERPS) as a one-stop office for university-wide SDGs-related activities in 2018, which was the first year of SDGs implementation. NERPS plays a vital role in research promotion based on the transdisciplinary study of “Peace and Sustainability” through the collaboration of various actors from different sectors.

With this background, this first Hiroshima International Conference on Peace and Sustainability is a crucial milestone as an opportunity for Hiroshima University to connect with students, researchers, public officials, businesses, and many others around the world on peace and sustainability. I am confident that this conference will be a success thanks to your efforts and support. I am sincerely grateful to all of you for your participation and cooperation.
Jeffrey D. Sachs is a University Professor and Director of the Center for Sustainable Development at Columbia University, where he directed the Earth Institute from 2002 until 2016. He is also President of the UN Sustainable Development Solutions Network and a commissioner of the UN Broadband Commission for Development. He has been advisor to three United Nations Secretaries-General, and currently serves as an SDG Advocate under Secretary General António Guterres. He spent over twenty years as a professor at Harvard University, where he received his B.A., M.A., and Ph.D. degrees. He has authored numerous bestseller books. His most recent book is The Ages of Globalization: Geography, Technology, and Institutions (2020). Sachs was twice named as one of Time magazine’s 100 most influential world leaders and was ranked by The Economist among the top three most influential living economists.
About the Conference

Since the late 1980s, and in order to regulate the increasingly detrimental impacts of humans on the environment, transition towards sustainability has been high on the agenda of researchers and policy makers alike. Meanwhile, peace considerations have expanded in recent decades to include the varied types and sources of conflict, from inter-state to intra-state conflicts due to various social, political, economic, and environmental factors.

Academic and policy circles widely recognize sustainability and peace as intrinsically interrelated. The concepts of sustainability and peace are multi-dimensional and constantly evolving, and the pathways of their relationship are complex and dynamic. Some studies have highlighted the myriad factors and mechanisms that influence this relationship, particularly that of between climate and conflict. They shed light on the mediating role of political institutions, economic conditions, and social practices, especially in understanding the implications of climate for security. However, there is still a need to better understand the pathways where sustainability and peace interact considering the different factors and contexts that are constantly shaping and reshaping the conditions for sustainable and peaceful societies.

The Hiroshima International Conference on Peace and Sustainability 2022 is a platform for transdisciplinary research and policy conversations on the peace-sustainability nexus. The overall goal of this conference is to facilitate inter- and transdisciplinary dialogue and collaboration between various stakeholders working on issues related to peace, sustainability, or their nexus. Through facilitating interaction between stakeholders that focus on peace and/or sustainability, it is hoped that the conference will foster further research and practice on the peace-sustainability nexus. Students, researchers, and practitioners are invited from different disciplines and sectors to present their research and initiatives and explore new partnerships and collaborations.

About NERPS

The Network for Education and Research on Peace and Sustainability (NERPS) is an international network of educators, researchers, and practitioners collaborating towards the advancement of peaceful and sustainable societies amidst global challenges. It engages with a wide range of stakeholders to identify research priorities and emerging issues related to peace and sustainability and implement innovative interdisciplinary and transdisciplinary education and research projects. Based at Hiroshima University’s Higashi-Hiroshima campus, NERPS also contributes to the promotion of Sustainable Development Goals (SDGs) and serves as a resource hub for SDG-related activities of Hiroshima University.
Hiroshima Prefecture

Hiroshima Prefecture is located in the southwestern part of Japan. It boasts expansive views of the Seto Inland Sea to the south and the rolling Chugoku mountains to the north, and is blessed with rich and varied nature, four distinct seasons, a long history and traditional culture. There are also many scenic spots, including two World Cultural Heritage Sites – the Hiroshima Peace Memorial (Atomic Bomb Dome) and Itsukushima Shinto Shrine.

Itsukushima Shrine is one of the most significant shrines in Japan and the only shrine in the world built on top of the water. The view of Itsukushima Shrine has long been considered one of the three finest views in Japan.

The Atomic Bomb Dome is the most symbolic building in Hiroshima City, standing only meters away from the hypocenter of the atomic bomb blast. It has become a beacon for the world’s prayers for peace and an end to nuclear weapons.

Please visit the Hiroshima Prefecture’s official travel site to discover the latest information on World Heritage Sites, attractions, hotels, events, tours, dining and things to do in Hiroshima.

Higashi-Hiroshima City

Saijo in Higashi-Hiroshima stands shoulder to shoulder with the famous sake brewing regions – Nada district in Kobe and Fushimi area in Kyoto. In the vicinity of Saijo Railroad Station, seven traditional Japanese sake breweries are in operation. Walking around the old sake district and visiting the breweries make for an enjoyable time out. You can enjoy the beautiful townscape brought about by the contrast between the towering red-brick chimneys and the white-plaster walls. Some breweries offer tastings of sake and sake brewing water and sell sake.

Please take a look at Higashi-Hiroshima City sightseeing guide, which may give you useful tips on how to make the most of your stay in Higashi-Hiroshima City.

Hiroshima University

Please visit the official website of Hiroshima University to find out how to get to its Higashi-Hiroshima Campus, the conference venue.
Getting to the Conference Venue

**From Hiroshima Airport:** Go to Bus Stop 4 and take the bus to Shiraichi Station. From Shiraichi Station, take the train going to Saijo Station. Exit at the South Gate, take the stairs to the right, toward the bus stops. Go to Bus Stop 3 and get off at Daigaku Kaikan Mae Bus Stop. Follow the map below to the conference venue.

**From Saijo Station:** Exit at the South Gate, take the stairs to the right, toward the bus stops. Go to Bus Stop 3 and get off at Daigaku Kaikan Mae Bus Stop. Follow the map below to the conference venue.

**From Higashihiroshima Shinkansen Station:** Buses going straight to Hiroshima University are limited. Take the taxi instead and inform the driver to bring you to the Daigaku Kaikan Mae Bus Stop. Follow the map below to the conference venue.

https://tgo.hiroshima-u.ac.jp/accessmap/
Program Overview

All sessions are hybrid except for the online symposium and awarding on March 4, Friday.

March 1, Tuesday

11:00-12:00 Registration (IDEC 1F)
12:00-13:00 Lunch (IDEC 1F)
13:00-13:30 Opening Session (IDEC Large Conference Room)

13:30-15:00 Parallel Sessions

TU1  O R G A N I Z E D  P A N E L  Climate Change and Adaptation: Approaches of S-18 Project in Japan
TU2  Urban Planning

15:30-17:00 Parallel Sessions

TU3  Climate, Peace, and Security
TU4  O R G A N I Z E D  P A N E L  Local Peacebuilding or Indigenous Peacemaking

March 2, Wednesday

08:30-10:00 Parallel Sessions

WE1  Environmental Considerations in Conflict Transformations
WE2  R O U N D T A B L E  Educating to Address Global and Local Dilemmas: Creating Innovative Models to Educate the Next Generation of Peace & Sustainability Professionals
WE3  Socio-Economic Sustainability

10:30-12:00 Parallel Sessions

WE4  Conflict Resolution and Peace Processes
WE5  Education and Empowerment
WE6  O R G A N I Z E D  P A N E L  Hiroshima +75: Building Peace in Japan and Beyond

12:00-13:30 LUNCHBREAK

13:30-15:00 Parallel Sessions

WE7  Society and Culture
WE8  W O R K S H O P  ICT and Smart-Resilient Cities and Sustainable Transitions

15:30-17:00 Parallel Sessions

WE9  The Politics of Peace and Sustainability
WE10  The Impact of COVID-19 on Peace and Sustainability
WE11  Climate-Resilient Agriculture
March 2, Wednesday

17:30-19:00 Parallel Sessions

WE12 ORGANIZED PANEL Norms and Practices in Business and Peace: Private Sector Engagement in the Discourse of Peace and Peacebuilding

WE13 ORGANIZED PANEL Assessing Vitality, Vulnerability and Versatility of Rural Towns: Methodological Overview and Practical Challenges

March 3, Thursday

08:30-10:00 Parallel Sessions

TH1 Youth Engagement and Gender Equality

TH2 ORGANIZED PANEL Protected Area Management & Natural Resource Governance: Exploring Pathways for Environmental Sustainability & Peacebuilding

TH3 ORGANIZED PANEL Promoting Peace through Shared Governance of the Seas

10:30-12:00 Parallel Sessions

TH4 ORGANIZED PANEL Climate Change, Natural Disaster, and Impact on the Society

TH5 ROUNDTABLE Nuclear Disarmament and Our Sustainable Future

12:00-13:30 LUNCHBREAK

13:30-15:00 Parallel Sessions

TH6 ROUNDTABLE Towards a Resilient and Sustainable Future with Positive Peace, Collaborations and Partnerships

TH7 Well-being and Crisis Management

15:30-17:00 Parallel Sessions

TH8 Environmental Law and Policies

TH9 ROUNDTABLE SDGs Partnerships, Capital Flow, and Livelihood Impacts

17:30-19:00 Parallel Sessions

TH10 Policies for Sustainable Development

TH11 Sustainable Peace and Education

TH12 ROUNDTABLE A Relational Explanation of Environmental Peacebuilding

March 4, Friday

09:00-10:30 Online Symposium and Awarding

KEYNOTE SPEAKER Jeffrey D. Sachs Columbia University, USA
Guidelines for Chairs and Presenters

A. CHAIR RESPONSIBILITIES

The chair has the following responsibilities in ensuring the flow of the panel.

1. Please arrive at the onsite venue or log in to the Zoom meeting of the session 5-10 minutes before the session officially starts (see C. for Zoom guidelines). Zoom links and room assignments can be accessed by logging in through your Award’s MyPage: https://hicps.award-con.com/LOGIN.php

2. Briefly introduce yourself, the session, and each of the presenters (their names, institutional affiliations, and titles of presentations). You may introduce the presenters at the beginning of the session or before each presentation.

3. Provide respectful and constructive feedback to each presentation, either after each presentation or at the end of all presentations.

4. Facilitate the Q&A after the final presentation.

5. Serve as a timekeeper and ensure that all presenters are given a reasonably equal amount of presentation time (see D. for suggested time allocation). The chair has the discretion to allocate sufficient time for the Q&A.

6. Complete the scoresheet for the presentations fairly and strictly. These scores will be the basis for awarding the best presentations. Chairs who are also presenters in the same session do not have to score their own presentations.

7. Submit a 200-word synthesis of the session to nerps@hiroshima-u.ac.jp no later than March 11, 2022.

B. PRESENTATION GUIDELINES

Online and onsite presenters are expected to keep in mind the following guidelines to ensure an uninterrupted flow of the panel.

1. Please arrive at the onsite venue or log in to the Zoom meeting of the session 5-10 minutes before the session officially starts (see C. for Zoom guidelines). Zoom links and room assignments can be accessed by logging in through your Award’s MyPage: https://hicps.award-con.com/LOGIN.php

2. If you will be using PowerPoint slides, please upload them through the following link by February 28, 2022, Monday at 11:00 am JST as a backup copy in case of internet interruptions: https://forms.gle/myr4jYRhJRNavUaH9. Presenters are expected to share their slides at the time of their presentations. Online participants are encouraged to familiarize themselves with screen or slide sharing in Zoom to maximize the allotted time for their presentations. A laptop and projector will be available for onsite participants.

3. Best presenters based on scientific and presentation qualities will be awarded during the Symposium on March 4, 2022, Friday from 9:00-10:30 am JST.

C. ZOOM GUIDELINES

1. Zoom links can be accessed through your Award’s MyPage: https://hicps.award-con.com/LOGIN.php

2. All panelists are encouraged to keep their cameras on, if possible, throughout the session or at least when speaking. It is recommended that your face is well lit, and your camera positioning is on a landscape frame, center frame, and eye-level.

3. Ensure you are in a quiet location with minimal interruptions, if possible. Familiarize yourself with the mute function in Zoom, and mute yourself when you are not talking to ensure audio clarity. Only if available, kindly use an external microphone (e.g., a regular headset with a microphone).

D. TIME ALLOCATION

1. Each session is allocated 1 hour and 30 minutes for all presentations, feedback, and Q&A.

2. Each presentation will have about 15 minutes for each presentation, and the remaining time will be for the Q&A. Chairs have the discretion to allocate sufficient time for the discussion.

3. Chairs of organized panels, roundtables, and workshops will decide on the timing of speakers/presentations and Q&A.
13:30–15:00 ∙ MARCH 1 (TUESDAY) ∙ IDEC LARGE CONFERENCE ROOM

TU1 Climate Change and Adaptation: Approaches of S-18 Project in Japan
ORGANIZED PANEL

CO-CHAIRS Kohei Imamura and Sayaka Yoshikawa  Ibaraki University, Japan

> Enhancing National and Local Adaptation Strategies in Japan through the S-18 Project
Yoshifumi Masago  National Institute for Environmental Studies, Japan

> Setting common socio-economic scenarios for S-18 Project Research
Sayaka Yoshikawa and Nobuo Mimura  Ibaraki University, Japan

> Proposal for a Cost Framework for Residential Relocation to Adapt to Sea Level Rise
Kohei Imamura  Ibaraki University, Japan
Makoto Tamura  Ibaraki University, Japan & VNU Vietnam Japan University, Vietnam
Hiromune Yokoki  Ibaraki University, Japan

> Natural Disasters and Firm Selection: Heterogeneous Effects of Flooding Events on Manufacturing Sectors in Japan
Jun Yoshida  Kyushu University, Japan
Shinsuke Uchida  Nagoya City University, Japan
Katsuhito Nohara  Hокusei Gakuen University, Japan
Akira Hibiki  Tohoku University, Japan

13:30–15:00 ∙ MARCH 1 (TUESDAY) ∙ IDEC 204

TU2 Urban Planning
CHAIR Ayyoob Sharifi  Hiroshima University, Japan

> A Critical Analysis of Existing Urban Climate Action Plans Towards Developing City-Specific Urban Climate Solutions
Prince Dacosta Aboagye and Ayyoob Sharifi  Hiroshima University, Japan

> Sustainable Development of Urban Underground Space: A Comparative Analysis of Existing Literature and Cases
Hengcai Chen and Ali Cheshmehzangi  University of Nottingham Ningbo China, China

> Paradigm Shift in Sustainable Urban Planning for Thailand’s Provincial Cities from the Perspective of Urban Development Stages during the 2010s
Settawut Bamrungkhul and Takahiro Tanaka  Hiroshima University, Japan

15:30–17:00 ∙ MARCH 1 (TUESDAY) ∙ IDEC LARGE CONFERENCE ROOM

TU3 Climate, Peace, and Security
CHAIR Valley Koubi  ETH Zurich, Switzerland

> Climate Change as a Risk to International Peace and Security and Human Security: Perceptions among UN Climate Conference Participants
Björn-Ola Linnér and Maria Jernmås  Linköping University, Sweden

> Non-Adherence to Principles of International Law: The Bane of Environmental Insecurity
Kwadwo Tuffuor  University of Cape Coast, Ghana

> Co-benefits and synergies between food security and eight positive peace pillars
Tong Zou, Ali Cheshmehzangi, Ayotunde Dawodu, and Eugenio Mangi  University of Nottingham Ningbo China, China
> Biodiversity Conservation and Peacebuilding: The case of Peasants Reservoir Zone Río Pato Balsillas in Colombia
   Hector Morales Muñoz University of Berlin, Germany
   Julia Gorricho South America WWF, Germany
   Carlos Ariel García Caguán Expeditions, Colombia
   Michelle Bonatti Centre for Agricultural Landscape Research, Germany
   Stefan Siebert University of Berlin, Germany

15:30–17:00 ∙ MARCH 1 (TUESDAY) ∙ IDEC 204
TU4 Local Peacebuilding or Indigenous Peacemaking
  CHAIR Md. Rizwanul Islam North South University, Bangladesh

> The Humane yet Ambivalent Attitude Towards Refugees: A Potential Threat to Peace
  Md. Rizwanul Islam North South University, Bangladesh

> Peace through Community building efforts of the Rohingya in Bangladesh
  Ishrat Zakia Sultana North South University, Bangladesh

> The Role of Media and Social Cohesion between Host and the Rohingyas in Cox’s Bazar
  Harisur Rahman and Bulbul Siddiqi North South University, Bangladesh

17:30–19:00 ∙ MARCH 1 (TUESDAY) ∙ IDEC LARGE CONFERENCE ROOM
TU5 Resource Management
  CHAIR Masaaki Fuse Hiroshima University, Japan

> Review of the Challenges and Barriers to the Implementation of Smart Grid Technology
  Lubna Nazir and Ayyoob Sharifi Hiroshima University, Japan

> A Study on Zoning Methodology for Formulation of Woody Biomass Energy Utilization Plan in Non-timber Production Area
  Kazuki Hirano and Takahiro Tanaka Hiroshima University, Japan

> The impact of Load shedding on the business performance of Medium-scale electricity users in the Eastern region of Ghana
  Winfred Ayertey and Ayyoob Sharifi Hiroshima University, Japan

> E-Waste Management in India vis-à-vis Switzerland & Japan A Comparison of Legal Regime
  Dolly Singh Banaras Hindu University, India

17:30–19:00 ∙ MARCH 1 (TUESDAY) ∙ IDEC 204
TU6 Urban Management
  CHAIR Takahiro Tanaka Hiroshima University, Japan

> Radiography of resilience to socio-natural disasters. A bibliometric review of Spain, Latin America and the Caribbean (2000-2021)
  Camilo Caro The Pontifical Catholic University of Chile, Chile

> Relationship between Spatial Air Temperature Distribution and the Physical Environmental Factors in Bangkok Metropolitan Region
  Tarnrawee Ngamsiriudom and Takahiro Tanaka Hiroshima University, Japan

> An Analysis of Patterns of Public Engagement in China’s Community Renewal Projects: Case Studies in Guangzhou
  Weixuan Chen University of Nottingham Ningbo China, China
  Ali Cheshmehzangi University of Nottingham Ningbo China, China
A Review: The Never-Ending Water Supply Scenario in Kelantan
Amirul Syahidah Asmadi, Intan Sazrina Saimy, Nor Ashikin Mohamed Yusof, Shadiya Ba Qutayan, and Siti Hasliah Salleh
Universiti Teknologi Malaysia, Malaysia

TU7 Sustainable Peace and Peaceful Sustainability in Conflict-Affected Societies
WORKSHOP

PARTICIPANTS
> Dahlia Simangan Hiroshima University, Japan
> Ayyoob Sharifi Hiroshima University, Japan
> Chui Ying-Lee Eikei University, Japan
> Riyaz Karki Peace Perspectives, Nepal
> Srinjoy Bose University of New South Wales Sydney, Australia
> Francisco Magno De La Salle University Manila, Philippines
> Florian Krampe Stockholm International Peace Research Institute (SIPRI), Sweden
> Takanori Hayashida International Development Center of Japan, Japan
> Richard Friend University of York, UK
> Clive Lipchin Arava Institute for Environmental Studies, Israel
> Jo Rose University of York, UK

WE1 Environmental Considerations in Conflict Transformations
CHAIR Cullen Hendrix University of Denver, USA

> Disasters as a Driver of Conflict De-Escalation
Tobias Ide Murdoch University Perth, Australia

> The importance of regional food security in achieving supply chain resilience: A case study
Tong Zou, Ali Cheshmezangi, Ayotunde Dawodu, and Eugenio Mangi
University of Nottingham Ningbo China, China

> Boko Haram Insurgency on North-Eastern Nigeria: How has this influenced food insecurity in the Region?
Nnaemeka Phil Eke-okocha and Chikadibia Glory Eze
Earth Charter International San Jose, Costa Rica

> Understanding Climate Change and Agricultural Mediation in the USDA Mediation Program
Courtney Chicvak Columbia University, USA

> Does hostility affect public support for the provision of global public goods among competing neighboring countries? A survey experiment in Northeast Asia
Tomomi Yamane and Shinji Kaneko Hiroshima University, Japan

WE2 Educating to Address Global and Local Dilemmas: Creating Innovative Models to Educate the Next Generation of Peace & Sustainability Professionals
ROUNDTABLE

PARTICIPANTS
> Joshua Fisher Columbia University, USA
08:30–10:00 · MARCH 2 (WEDNESDAY) · IDEC 203
WE3 Socio-Economic Sustainability
CHAIR Chuan Liao World Development, Elsevier

> Ecological Resource Economics
Kimberly Burnett and James Roumasset University of Hawai‘i, USA

> Technological Changes in Developed Developing Economies and its Ecological Consequences
Faig Aghabolayev University of Sichuan, China
Wang SiMing University of Nanjing Agriculture, China

> Impact of Climate Change on Minorities and Farmer’s Consumption: Evidence from Panama
Ambar L. Chavez Espinosa and Akira Hibiki Tohoku University, Japan

> The Impact of Refugees on Economic Growth in Malaysia: Evidence from ARDL Approach
Oumaima Tounchibine, Nor Razinah Binti Mohd. Zain, Engku Rabiah Adawiah Engku Ali, and Syed Marwan Mujahid Syed Azman International Islamic University of Malaysia, Malaysia

> Impact of Remittances on Households Consumption Patterns: Evidence from Afghanistan
Naija Adina, Ghulam Dastgir Khan, MD. Abdul Bari, and Yuichiro Yoshida Hiroshima University, Japan

10:30–12:00 · MARCH 2 (WEDNESDAY) · IDEC 204
WE4 Conflict Resolution and Peace Processes
CHAIR Srinjoy Bose University of New South Wales Sydney, Australia

> Exploring the need for an Integrated Conflict Sensitivity Framework in development assistance that contributes to peaceful and sustainable post-conflict societies
Prakash Paudel University of Technology Sydney, Australia

> The Components of Peace Agreements and FDI Inflows in Post-Civil War Economies: A cross-country analysis over the period 1990 to 2019
Alonna Williams IE School of Global and Public Affairs, Spain

> Resurrection of Peace in Afghanistan: Regional and Global Issues
Gurwinder Singh Banaras Hindu University, India

> Dealing with Weapons and Weapon Bearers: A Closer Look at the Comprehensive Agreement on the Bangsamoro (CAB) by the Government of the Philippines (GPH) and the Moro Islamic Liberation Front (MILF)
Mario Aguja Mindanao State University-General Santos, Philippines

> Ingroup Conflict, Autonomy and Organised Distrust in Cherán, Mexico: Lessons for Peacebuilding
Erick Cosme Gomez Hiroshima Jogakuin University, Japan
10:30–12:00 · MARCH 2 (WEDNESDAY) · IDEC 203

**WE5 Education and Empowerment**

**CHAIR** Mohammad Aashaq Malik Gov. Post Graduate College Rajouri, India

- Integral Peace Leadership: Lessons from the Peace Practice Alliance  
  Whitney McIntyre Miller Chapman University, USA
- Exploring pandemials’ career trajectories and job security under digitalization and the COVID-19 crisis in Indonesia  
  Rahmatika Dewi Hiroshima University, Japan
- Mainstreaming indigenous knowledge in formal learning: the Philippines’ 2019 higher education policy change  
  Giselle Miole Waseda University, Japan

10:30–12:00 · MARCH 2 (WEDNESDAY) · IDEC LARGE CONFERENCE ROOM

**WE6 Hiroshima +75: Building Peace in Japan and Beyond**

**ORGANIZED PANEL**

**CHAIR** Dahlia Simangan Hiroshima University, Japan

- Reconstructing Hiroshima as a Peace Memorial City: Local Agency and Identity-Making in Peacebuilding  
  Mari Katayanagi and Noriyuki Kawano Hiroshima University, Japan
- Hiroshima’s Ongoing Peacebuilding and Beyond: How Does This Local Initiative Seek to Extend to World Peace?  
  Tatsuo Yamane Hiroshima University, Japan
- The Bishop’s “Fine Tact”: The Ambiguity, Ambivalence, and Relationality of Catholic Peacebuilding from Nagasaki to Flores, Indonesia during the Asia-Pacific War  
  Hirokazu Miyazaki Northwestern University, USA
- Turning a Disaster to Regenerative Strength: Hiroshima’s Strategy for Societal Peace in the Anthropocene  
  Luli van der Does Hiroshima University, Japan

13:30–15:00 · MARCH 2 (WEDNESDAY) · IDEC LARGE CONFERENCE ROOM

**WE7 Society and Culture**

**CHAIR** Keshav Lall Maharjan Hiroshima University, Japan

- Building walls and healing hearts: Memorializing the COVID-19 pandemic  
  John Lee Candelaria Hiroshima University, Japan
- The politics of fiction and its significance as a medium to advance dialogue and advocacy around the human condition in politically challenging times  
  Samantha Layton Matthews University of Johannesburg, South Africa
- Does Knowing a Composer’s Sex Influence Listener Preferences for Classical Music? A Randomized experiment  
  Aino Nakasugi and Daisaku Goto Hiroshima University, Japan

13:30–15:00 · MARCH 2 (WEDNESDAY) · IDEC 204

**WE8 ICT and Smart-Resilient Cities and Sustainable Transitions**

**WORKSHOP**

**PARTICIPANTS**

- Ali Cheshmehzangi University of Nottingham Ningbo China, China
15:30–17:00 · MARCH 2 (WEDNESDAY) · IDEC LARGE CONFERENCE ROOM

WE9 The Politics of Peace and Sustainability

CHAIR Björn-Ola Linnér Linköping University, Sweden

> The Nexus between Peace and Sustainability for Regional Development of Africa: An Analytical Study of African Union
  Moosa Lakhani University of Milan, Italy
  Shafique Qurban University of Sialkot, Pakistan

> Analysing ASEAN Centrality as Tool for Regional Peacebuilding in East Asia
  Aaron Denison Deivasagyam Hiroshima University, Japan

> Self-reinforcing feedback loops in the indicated climatically triggered civil conflicts
  Avit Bhowmik Karlstad University, Sweden

> How politics is changing with the help of technology and social media in South Asia
  Shaikh Shahrurk Farhan North South University, Bangladesh

> Less Voting Cost, More Turnout of Students: Evidence from the National Election in Japan
  Kenta Katayama and Daisaku Goto Hiroshima University, Japan

15:30–17:00 · MARCH 2 (WEDNESDAY) · IDEC 204

WE10 The Impact of COVID-19 on Peace and Sustainability

CHAIR Abby E. Hilson World Development Sustainability, Elsevier

> Human rights, social security and Ghana’s response to the COVID-19 pandemic
  Kwadwo Tuffuor, Joyce DeGraft, and Prince Amfo University of Cape Coast, Ghana

> Interrogating international peace and security in West Africa in the midst of the COVID-19 pandemic
  Kwadwo Tuffuor and Patrick Osei-Kufuor University of Cape Coast, Ghana

> The impact of COVID-19 on Daytime Staying Population and Pedestrian Volume in the Street
  Shota Tamura, Taku Goto, Jempei Nishimura, Takahiro Tanaka, and Makoto Tsukai Hiroshima University, Japan

> Spatio-temporal analysis of COVID-19 incidence and associated built environment factors in Tokyo
  Mehdii Alidad Hiroshima University, Japan
  Ayyoob Sharifi Hiroshima University, Japan
  Daisuke Murakami Institute of Statistical Mathematics, Japan

15:30–17:00 · MARCH 2 (WEDNESDAY) · IDEC 203

WE11 Climate-Resilient Agriculture

CHAIR Niraj Prakash Joshi Hiroshima University, Japan

> Crop diversification as a means to reduce external inputs, but improving crop yield and weed control
  Raj Chongtham Swedish University of Agricultural Sciences, Sweden

> Vitamin B2 as a stress reliever in rice seedlings under salinity stress
  Kamonthip Jiadkong Hiroshima University, Japan
Differences in high Na tolerant mechanisms of rice under high saline and saline-alkaline stresses
Mami Nampei, Kamonthip Jiadkong, Sumana Chuamnakthong, Hirofumi Saneoka, and Akihiro Ueda Hiroshima University, Japan

Screening of salinity tolerant Japonica rice varieties
Anisa Nazera Fauzia, Mami Nampei, Shinta, and Akihiro Ueda Hiroshima University, Japan

17:30–19:00 · MARCH 2 (WEDNESDAY) · IDEC 204
WE12 Norms and Practices in Business and Peace: Private Sector Engagement in the Discourse of Peace and Peacebuilding
ORGANIZED PANEL
CHAIR Mari Katayanagi Hiroshima University, Japan

> Examining Business for Sustaining Peace in Africa through the Partnership of the UN Global Compact
Tatsuo Yamane Hiroshima University, Japan

> Local Business Contribution to Peace in a Divided Political Context: The Case of Bosnia and Herzegovina
Mari Katayanagi Hiroshima University, Japan

> Business Peacebuilding Potential: Responsible Supply Chain Management of Conflict Minerals from the Democratic Republic of Congo
Miho Taka Coventry University, UK

> Role of Social Enterprises in the Peacebuilding Agenda in Bangsamoro, the Philippines
Harmond Marte Hiroshima University, Japan

> Optimising peace? New Perspective on Business for Peace in the Sustaining Peace Agenda
DB Subedi University of New England, Australia

17:30–19:00 · MARCH 2 (WEDNESDAY) · IDEC LARGE CONFERENCE ROOM
WE13 Assessing vitality, vulnerability and versatility of rural towns: Methodological overview and practical challenges
ORGANIZED PANEL
CHAIR Walter T. de Vries Technical University of Munich, Germany
OPENING REMARKS Akira Mukaida Remote Sensing Technology Center of Japan (RESTEC), Japan
KEYNOTE SPEAKER Kaname Ikeda President, Remote Sensing Technology Center of Japan (RESTEC), Japan

> Socio-economic changes and trends in Tsukuba City: A geo-spatial analysis on the resilience of the city
Remi Chandran RESTEC, Japan

> Investigating 20-years of Land-use and Landcover dynamic in rural and urban structure in Japan
Pegah Hashemvand RESTEC, Japan

> Exploring the research gap of studying Vitality, Vulnerability and Versatility of Rural Towns from a socio-economic versus a remote sensing perspective
Vineet Chaturvedi Technical University of Munich, Germany

> Resilient tools for rural resilience assessment: Mapping the challenges of small communities searching for the “good” assessment tool
Luc Ampleman Jagiellonian University, Poland

> An exploration of visual tools for communicating Resilience Assessment results to the community
Melisa Pesoa Polytechnic University of Catalonia, Spain
08:30–10:00 · MARCH 3 (THURSDAY) · IDEC 203

**TH1 Youth Engagement and Gender Equality**

**CHAIR** Maria Tanyag Australian National University, Australia

- #EndSARS Protest: Role of Social Media in Youths led Peacebuilding  
  Nnaemeka Ekeokocha and Chikadibia Eze Earth Charter International San Jose, Costa Rica

- Gender and Cross-Cultural Movement towards the Establishment of Peace: The Case of Peace Agenda of Women (PAOW) in the Deep South of Thailand  
  Anna Christi Suwardi Mae Fah Luang University, Thailand

- Raising the Minimum Legal Age to Curb Child Marriage: The Role of Women Ulama Congress in Indonesia  
  Hilda Kemala Waseda University, Japan

- Post Migration Refugee Adaptivity: Afghan Women Refugees as Agents of Change  
  Kim Nguyen City University of New York, USA

08:30–10:00 · MARCH 3 (THURSDAY) · IDEC 204

**TH2 Protected Area Management & Natural Resource Governance: Exploring Pathways for Environmental Sustainability & Peacebuilding**

**ORGANIZED PANEL**

**PARTICIPANTS**

- Joshua Fisher Columbia University, USA
- Alec Crawford International Institute for Sustainable Development, Canada
- Anne Hammill International Institute for Sustainable Development, Canada
- Greg Yetman Columbia University, USA
- Amanda Woomer Habitat for Humanity International, USA

08:30–10:00 · MARCH 3 (THURSDAY) · IDEC LARGE CONFERENCE ROOM

**TH3 Promoting Peace through Shared Governance of the Seas**

**CHAIR** Cullen Hendrix University of Denver, USA

**DISCUSSANT** Atsushi Sunami President, The Sasakawa Peace Foundation, Japan

- Sources of Climate Resilience in Fisheries Governance and Prospects for Peace  
  Cullen Hendrix University of Denver, USA

- Regional Management, National Policy: How States Negotiate and Implement International Fisheries Regulation  
  Elizabeth DeSombre Wellesley College, USA

- Fish Crimes in the Global Oceans  
  Philippe LeBillon University of British Columbia, Canada

10:30–12:00 · MARCH 3 (THURSDAY) · IDEC 204

**TH4 Climate Change, Natural Disaster, and Impact on the Society**

**CHAIR** Akira Hibiki Tohoku University, Japan

- Long-term Health Effects of Natural Disasters  
  Hidehito Otake Georgia State University, USA  
  Shinsuke Uchida Nagoya City University, Japan
How much do households value the avoidance of prolonged outages due to natural disasters?  
Katsuhito Nohara  Hokusei Gakuen University, Japan  
Akira Hibiki  Tohoku University, Japan

Capacity to Adapt to Temperature Effects on Crop Yields: Evidence from Rice Production in Japan  
Yi-chun Ko  Tohoku University, Japan  
Akira Hibiki  Tohoku University, Japan  
Shinsuke Uchida  Nagoya City University, Japan

10:30–12:00 · MARCH 3 (THURSDAY) · IDEC LARGE CONFERENCE ROOM
TH5 Nuclear Disarmament and Our Sustainable Future
ROUNDTABLE

Hiroshima Prefectural Government and Hiroshima Organization for Global Peace (HOPe)

PARTICIPANTS
> Toshiya Hoshino  Osaka University, Japan
> Alyn Ware  Parliamentarians for Nuclear Non-Proliferation and Disarmament, New Zealand
> Kennette Benedict  Bulletin of the Atomic Scientists, USA
> Masaki Inaba  Global Health Program, Africa Japan Forum, Japan
> Kunihiko Shimada  Hiroshima Organization for Global Peace (HOPe), Japan

13:30–15:00 · MARCH 3 (THURSDAY) · IDEC 204
TH6 Towards a Resilient and Sustainable Future with Positive Peace, Collaborations and Partnerships
ROUNDTABLE

PARTICIPANTS
> Steve Killelea  Institute for Economics & Peace, Australia
> Charles Allen  Institute for Economics & Peace, Australia
> Dahlia Simangan  Hiroshima University, Japan

13:30–15:00 · MARCH 3 (THURSDAY) · IDEC LARGE CONFERENCE ROOM
TH7 Well-being and Crisis Management

CHAIR Fumiko Kasuga  Future Earth, Japan

> A Policy Implementation on Permanent Housing Projects in Disaster-affected Areas in Central Sulawesi, Indonesia  
Bimo S. Wibowo  Mae Fah Luang University, Thailand

> Pakistan’s Reaction against major floods of its history (1970-2010): A Case Study of July-August 2010 flood  
Syed Iazaz Ahmad Bukhari  Kinnaird College for Women, Pakistan

> Forest Cover and Childhood Infections: Analysis of Geospatial and Health Surveys Data from Nepal  
Binaya Chalise  Hiroshima University, Japan  
Shinji Kaneko  Hiroshima University, Japan  
Subash Thapa  University of Southern Denmark, Denmark  
Meghnath Dhimal  Nepal Health Research Council, Nepal

> Determinants of household decisions on insecticide-treated bed nets in Vietnam  
Chinh Mai and Akira Hibiki  Tohoku University, Japan
15:30–17:00 · MARCH 3 (THURSDAY) · IDEC 204

TH8 Environmental Law and Policies

CHAIR Yahua Wang World Development Sustainability, Elsevier

> The Application of International Environmental Law as a Tool to Sustainably Remediate Chemical Weapons on the Ocean Floor
  Grant Dawson University of Groningen, Netherlands

> The status and distribution of alien plant species in Miyajima Island based on database information before and after the inclusion in UNESCO’s World Heritage List in 1996
  Quynh Chi Phan Hiroshima University, Japan
  Yukari Kamimoto Hiroshima University, Japan
  Shinji Uchida Hiroshima University, Japan
  Miho Nakahara-Tsubota Natural History Museum and Institute, Japan
  Hiromi Tsubota Hiroshima University, Japan

> Attesting Interlinkages between Income Inequality and the Covariates by Variable Selection for Sustainable Regional Development: A Case Study of Palm Oil Industry in Sumatra Island, Indonesia
  Gigih Fitrianto Gadjah Mada University, Indonesia
  Claudia Teutschbein Uppsala University, Sweden
  Richard J. Smithers Ricardo Energy & Environment Consultancy, UK

15:30–17:00 · MARCH 3 (THURSDAY) · IDEC LARGE CONFERENCE ROOM

TH9 SDGs Partnerships, Capital Flow, and Livelihood Impacts

ROUND TABLE

CHAIR Alexander Ryota Keeley Kyushu University, Japan
CO-CHAIR Shunsuke Managi Kyushu University, Japan

> SDG partnerships may perpetuate the global North-South divide
  Malgorzata Blicharska Uppsala University, Sweden
  Claudia Teutschbein Uppsala University, Sweden
  Richard J. Smithers Ricardo Energy & Environment Consultancy, UK

> Impact of Renewable Energy Off-Grid Projects on the Livelihood in Indonesia
  Akinori Kitsuki Kyushu University, Japan
  Yulia Indrawati Sari AKATIGA and Prayhangan University, Indonesia
  Fadhli Ilhami AKATIGA, Indonesia
  Alexander Ryota Keeley Kyushu University, Japan
  Shunsuke Managi Kyushu University, Japan

> Inclusive Wealth Footprint for Cities: Regional clusters for Sustainable Development
  Shuning Chen Kyushu University, Japan

17:30–19:00 · MARCH 3 (THURSDAY) · IDEC 204

TH10 Policies for Sustainable Development

CHAIR Hein Mallee Research Institute for Humanity and Nature, Kyoto, Japan

> The Voluntary National Reviews and National Development Plans as policy tools for global goal-setting
  Tarek Katramiz Keio University, Japan
  Mahesti Okitasari United Nations University, Japan

> Overhyped or overlooked? How military’s publications and NDCs frame climate security regarding agency, certainty, temporality, and its origins
  Anselm Vogler Institute for Peace Research and Security Policy Hamburg, Germany
> **Determinants of Top Income Shares in Developing Countries**  
Niklas Uliczka Tohoku University, Japan  
Sebastian Krippganzb University of Exeter, UK

> **Exploring the Relationship Between Free Media Sentiment and Financial Market Performance**  
Peter Baur University of Johannesburg, South Africa

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**17:30-19:00 · MARCH 3 (THURSDAY) · IDEC LARGE CONFERENCE ROOM**

**TH11 Sustainable Peace and Education**  
**CHAIR** Kazuhiro Yoshida Hiroshima University, Japan

> **Mindfulness-based Nonviolence and Engaged Buddhism: Thich Nhat Hanh’s Contributions to Sustainable Peace**  
Saori Fukuoka Hiroshima University, Japan

> **Buddhism and liberal peace: Post-liberal hybrid holistic peace thesis**  
Juichiro Tanabe Kumamoto University, Japan

> **Indian National Education Policy (NEP-2020) and Peace Education: Addressing Sustainable Development Goals through integrated peacebuilding approaches**  
Mohammad Ashaq Malik Gov. Post Graduate College Rajouri, India  
Ravinder Kumar Cluster University of Jammu, India

> **Peace, Justice and Security in Ghana: the Need for Peace Education**  
Kwadwo Tuffuor University of Cape Coast, Ghana

> **Shouldering the Change Together: Lessons for Indian Youth from the Survivors of Hiroshima**  
Riya Kartha Soka University, Japan

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**17:30-19:00 · MARCH 3 (THURSDAY) · IDEC 203**

**TH12 A Relational Explanation of Environmental Peacebuilding**  
**ROUNDTABLE**

**PARTICIPANTS**

> Florian Krampe Stockholm International Peace Research Institute, Sweden
> McKenzie Frances Johnson University of Illinois Urbana-Champaign, USA
> Cedric de Coning Norwegian Institute of International Affairs, Norway
> Dahlia Simangan Hiroshima University, Japan
> Dylan O’Driscoll Stockholm International Peace Research Institute, Sweden
> Farah Hegazi Stockholm International Peace Research Institute, Sweden
> Kyungmee Kim Stockholm International Peace Research Institute, Sweden
> Stacy VanDeveer University of Massachusetts Boston, USA

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**09:00-10:30 · MARCH 4 (FRIDAY)**

**Online Symposium and Awarding**  
**KEYNOTE SPEAKER**

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