

UN-CECAR *Asia*

University Network for Climate and Ecosystems Change Research

5th UN-CECAR INTERNATIONAL CONFERENCE
*Disaster Risk Management
& Sustainability*

15th November 2011
09:30-17:30

Venue:
U Thant International Conference Hall,
United Nations University Headquarters

Language:
English

Admission Fee:
Free

Please register at cecar.unu.edu



Programme

Morning Session: Young Researcher Presentations On Climate And Ecosystems Change Adaptation Research

09:30▶
Opening Remarks

Dr. Herath Srikantha, Academic Director,
Postgraduate Programme in Sustainability and
Peace, United Nations University Institute for
Sustainability and Peace (UNU-ISP)

10:10▶
*Seasonal prediction of monsoon rainfall with
statistical down-scaling of Global Model
Outputs for Climate Risk Management in
Agriculture,*

Nachiketa Acharaya, Indian Institute of
Technology, India

10:55▶
*Ecosystem Change Adaptation in the Hani
Rice Terrace,*

Yuanmei Jao, Postdoctoral Fellow, the
University of Tokyo, Japan

09:40▶
*Sukhothai Flood Analysis and its response
under climate change,*

Patinya Hanittinan, Chulalongkorn University,
Thailand

10:25▶
*A serious coastal erosion in Hai Hau district,
Nam Dinh, Viet Nam -towards coexistence of
human beings and nature-,*

Mai Thi Thu Thuy, Ibaraki University, Japan

11:10▶
*Potential Effect of Climate Change on Global
River Discharge,*

Wang Yi, Research Associate, UNU-ISP, Japan

09:55▶

*Climate Change Impacts on Floods in Kelani
River Basin and Adaptation Measures*
Gouri De Silva, University of Peradeniya,
Sri Lanka

10:40▶
*Testing Suitability of DSSAT For Rice Varieties
Grown In Kurunegala District, Sri Lanka*

Mr. Samal Dharmarathna
University of Peradeniya, Sri Lanka

Main Session Disaster Risk Management and Sustainability Presentations

12:50▶
Welcome Speech,

Prof. Kazuhiko Takeuchi, Vice-Rector,
UNU

13:00▶
*Sustainable Disaster Risk Management
and the Role of Higher Education,*

Prof. Srikantha Herath, Academic
Director, UNU-ISP

13:20▶

Sustainability and Survivability
Prof. Kaoru Takara, Professor, Disaster
Prevention Research Institute (DPRI),
Kyoto University, Japan

13:40▶
*Damages from the East Japan Great
Earthquake and Tsunami and Emerging
Policy for Coastal Disaster Reduction in
Japan,*

Prof. Nobuo Mimura, Director, Institute
for Global Change Adaptation Science,
Ibaraki University, Japan

14:00▶
*Post Tsunami Recovery Issues and
challenges in Sri Lanka,*

Mr. Nihal Rupasinghe, Chairman, Central
Engineering Consultancy Bureau (CECB),
Sri Lanka

14:20▶
Q&A

14:40
Coffee Break

15:00▶
*The Role of Engineering Faculty, Gadjah
Mada University in Pre, During and Post
of Merapi Volcano Eruption Disaster in
2011,*

Prof. Ir. Tumiran, Dean, Faculty of
Engineering, Gadjah Mada University,
Indonesia

15:20▶
*Thailand Flood 2011 –Causes and
Future Scenario-,*

Prof. Sucharit Koontanakulvong,
Professor, Chulalongkorn University,
Thailand

15:40▶

*Recent Floods in Pakistan and
Disaster Risk Management,*
Prof. Habib ur Rehman, Head,
Hydraulics and Irrigation Engineering
Division, Civil Engineering Depart-
ment, University of Engineering and
Technology Lahore, Pakistan

16:00▶
Q&A

16:15▶
**Panel Discussion on
Towards Sustainable Disaster Risk Management**

Moderator: **Prof. Kazuhiko Takeuchi**, Vice-Rector, UNU
Panelists:

- **Prof. Mai Trong Nhuan**, Vietnam National University, Vietnam
- **Prof. S.B.S Abayakoon**, University of Peradeniya
- **Prof. Toshiro Meguro**, University of Tokyo
- **Prof. Mazlin Mokhtar**, Universiti Kebangsaan Malaysia, Malaysia
- **Prof. Guangheng Ni**, Tsinghua University, China
- **Prof. Mafizur Rahman**, Bangladesh University of Engineering
and Technology (BUET), Bangladesh

17:30
Closing Remarks

UN-CECAR

Higher Education

The source of human knowledge and capital for tomorrow's sustainable and climate risk-resilient societies

Established in 2009, UN-CECAR is a network of universities and research institutes in the Asia-Pacific and Africa who are actively engaged in advanced research and education in climate change, ecosystems change and adaptation. The network aims to bring together the best resources and expertise in the region for joint research, developing innovative postgraduate education programmes and training across disciplinary lines

The network was conceived out of a series of discussions held during a conference and a 2-day workshop on the 'Role of Higher Education in Adapting to Climate Change' from June 10-12 in Tokyo, organized by United Nations University Institute for Sustainability and Peace (UNU-ISP) and Integrated Research System for Sustainability Science (IR3S).

Since its inception, the Network has achieved the following:

- (1) Launched two intensive postgraduate courses in September 2010, each equivalent to a regular 2-credit postgraduate course in Japan;
- (2) Conducted a four-country needs assessment to identify key suppliers of climate change knowledge, and priority areas of demand by sector for relevant graduates and specialists, emerging research and degree programmes in the region;
- (3) Started collaborative research on disasters from extreme events (fast change) and long-term impacts (slow change) due to climate and ecosystems change;
- (4) Developing module-based postgraduate courses and training in geographic and climate modelling software, complete with teaching support materials.

In addition to this, the Network organizes regular conferences and workshops with discussions focused on a specific theme and also to plan and evaluate recent progress of the Network's activities.

The International Coordinating Committee (ICC) provides the strategic direction for the Network's activities. It consists of representatives from more than 30 of Asia and Africa's best universities. UNU-ISP acts as the Secretariat for UN-CECAR and coordinates activities on behalf of the Network members. To achieve its objectives, the ICC has established 3 task groups on: Curricula Development, Country Needs Assessment, and Joint Research.

UN-CECAR Secretariat

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UN-CECAR Keynote Speakers

Sharing Asian Experiences



Prof. Kazuhiko Takeuchi
Vice-Rector

United Nations University

Kazuhiko Takeuchi is a Vice-Rector of United Nations University, the Deputy Executive Director of the Integrated Research System for Sustainability Science (IR3S), and a Professor, Graduate School of Agricultural and Life Sciences at the University of Tokyo. He has served, inter alia, as the President of the Japanese Institute of Landscape Architecture, a special member of the National Land Development Council, a member of the Central Environment Council, and a member of the Food, Agriculture and Rural Area Policies Council, Government of Japan, Editor-in-Chief of the journal Sustainability Science (Springer).

Prof. Srikantha Herath
Academic Director

Postgraduate Programme in Sustainability and Peace,
UNU-ISP

Srikantha Herath engages in research and education in water security, climate change and natural disaster risk reduction. His postgraduate teaching and research currently focuses on global change impacts on environmental processes, especially related to hydrological and atmospheric process with applications in urban hydrology, flood forecasting, damage estimation, sediment transport and water cycle change assessment using physically based distributed hydrological modelling aided by Remote Sensing and GIS.



Prof. Nobuo Mimura
Director

Institute for Global Change Adaptation Science
Ibaraki University, Japan

Nobuo Mimura is Director of the Institute for Global Change Adaptation Science, Ibaraki University, Japan. He specialises in global environmental engineering, coastal engineering and adaptation policy to climate change. He is intensively engaged in studies on the impacts of climate change and sea-level rise on Japan, China, Thailand and small island countries such as Tuvalu, Samoa and Fiji, leading several research projects in this field. He has also served as an expert advisor to the Japanese government.



Mr. Nihal Rupasinghe
Chairman

Central Engineering Consultancy Bureau (CECB)
Sri Lanka

Mr. Nihal Rupasinghe is the chairman of the Central Engineering Consultancy Bureau (CECB) Sri Lanka, which is a leading highly diversified multidisciplinary engineering consultancy and construction organization established under the Ministry of Irrigation and Water Management of Sri Lanka. Mr. Rupasinghe has received his degree from the Faculty of Engineering, University of Peradeniya, Sri Lanka and later received his specialized post graduate diploma in hydropower in Norway. He is also a Chartered Engineer and a Licensed Surveyor as well.



Prof. Ir. Tumiran
Dean

Faculty of Engineering,
Gadjah Mada University, Indonesia

Ir. Tumiran is a dean of Engineering Faculty in Gadjah Mada University, Indonesia, and specializes in electrical power engineering and production and information sciences. Prof. Tumiran leads various research projects and also engages in the government's development planning especially relating to energy sector. He is deeply involved in reconstruction planning for the Merapi Volcano Eruption Disaster in 2011.



Prof. Sucharit Koontanakulvong
Head

Water Resource Engineering Department,
Faculty of Engineering,
Chulalongkorn University
Thailand

Sucharit Koonthanakulvong is a head of the Water Resources System Research Unit and a deputy dean of Engineering Faculty, Chulalongkorn University, Thailand. His specialities are in water resource engineering and water disaster management and adaptation measures to climate change in Thailand.



Prof. Kaoru Takara
Vice Director

Disaster Prevention Research Institute (DPRI),
Kyoto University, Japan

Kaoru Takara is an assistant to the Executive Vice-President of Kyoto University and Vice-Director of DPRI, Kyoto University, and Chairperson of Intergovernmental Council of International Hydrological Programme (IHP), UNESCO. Prof. Takara, a head of Innovative Disaster Prevention Technology and Policy Research Laboratory at DPRI, engages research and education in the fields of natural disaster, hydraulic engineering, and social system engineering.



Prof. Habib ur Rehman
Head

Hydraulics and Irrigation Engineering Division,
Civil Engineering Department,
University of Engineering and Technology Lahore,
Pakistan

Habib ur Rehman is a head of Hydraulics and Irrigation Engineering Division, Civil Engineering Department, University of Engineering and Technology Lahore, Pakistan. His specialities are in physical based distributed Hydrological Modelling and Regional scale soil erosion and sediment transport modelling. He has also engaged in various research projects including Hydrological and sedimentation studies for several dam sites in Pakistan.

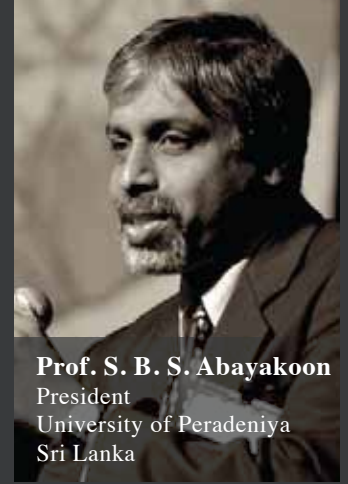


Panelist

*In search of Sustainable
Disaster Risk Management Model*



Prof. Mai Trong Nhuan
President
Vietnam National University
Vietnam



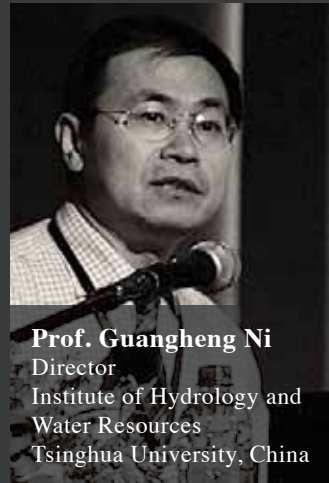
Prof. S. B. S. Abayakoon
President
University of Peradeniya
Sri Lanka



Prof. Kimiro Meguro
Director
International Centre for Urban
Safety Engineering (ICUS)
University of Tokyo, Japan



Prof. Mazlin bin Mokhtar
Director
Institute for Environment and
Development (LESTARI),
Universiti Kebangsaan Malaysia,
Malaysia



Prof. Guangheng Ni
Director
Institute of Hydrology and
Water Resources
Tsinghua University, China



Prof. Mafizur Rahman
Professor
Bangladesh University of
Engineering and Technol-
ogy (BUET), Bangladesh

Young Researchers

*Climate and Ecosystems Change
Adaptation Research*



**Mr. Patinya
Hanittinan**

Graduate Student
Faculty of Engineering,
Chulalongkorn
University, Thailand



Ms. Gouri De Silva

Graduate Student,
Engineering Department
University of Peradeniya,
Sri Lanka



**Mr. Nachiketa
Acharaya**

Project Associate
Centre for Atmospheric
Sciences,
Indian Institute of
Technology, India



**Ms. Mai Thi Thu
Thuy**

Graduate Student
Department of Civil
Engineering
Ibaraki University,
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**Mr. Samal
Dharmarathna**

Graduate Student,
Engineering Department
University of Peradeniya,
Sri Lanka



Dr. Yuanmei Jao

Postdoctoral Fellow,
University of Tokyo,
Japan



Dr. Wang Yi

Research Associate
UNU-ISP