

# The 8<sup>th</sup> International Symposium on Social Management Systems SSMS2012

2<sup>nd</sup>-4<sup>th</sup> May, 2012 in Kaohsiung, Taiwan

## Second Announcement

### Objective

The Society for Social Management Systems is dedicated to promote research, investigation, and information exchange for the development of social management methodologies to meet the increasing challenges of modern societies. To facilitate information exchange, the Society for Social Management Systems has been organizing a Symposium on Social Management Systems (SSMS) annually since 2005. The Symposium on Social Management Systems for 2012 (SSMS2012) will be held in Taiwan to further promote this new discipline.

In recent years, many countries such as Japan, Australia, China, New Zealand, USA, Sri Lanka, Indonesia, Thailand, Turkey, Vietnam, Taiwan, and others have suffered many “mega disasters” causing tremendous social and economic impacts as warned by UN in 2010. Some countries, however, have successfully integrated the government, NGO, and private enterprises’ resources and efforts in disaster management and post-disaster reconstruction. SSMS2012 will share the experience on disaster prevention and disaster management and the post-disaster reconstruction efforts of 2009 Typhoon Morakot in Taiwan and other case studies will be presented. In addition, recent development of social management systems such as infrastructure and asset management, construction management, information management, water resources management, environmental management, sustainability and energy saving and carbon reduction systems, and regional socio-economical management will be discussed through invited lectures, presentations, and panel discussions by the participants all over the world.

### Topics

- a) Mega Disasters and Challenge
- b) Disaster Early Warning
- c) Disaster Prevention
- d) Disaster Response and Recovery
- e) Post-Disaster Reconstruction and Rehabilitation Management
- f) Infrastructure Management and Materials
- g) Construction Management and Dispute Resolution
- h) Asset Management
- i) Information Management
- j) Water-Resource Management
- k) Climate Change and Environmental Management
- l) Sustainable Development and Carbon Reduction
- m) Region Socio Economical Management
- n) Entrepreneurship and Revitalization
- o) CSR and NGO’s contributions
- p) International Cooperation and Aids

### Place

Kaohsiung, Taiwan

### Venue

Kaohsiung Ambassador Hotel

[http://www.ambassadorhotel.com.tw/KS/ambassador\\_kaohsiung.htm](http://www.ambassadorhotel.com.tw/KS/ambassador_kaohsiung.htm)

202 Min Sheng 2<sup>nd</sup> RD., Kaohsiung, Taiwan, R.O.C.

Tel: +886 7 211-5211

Fax: +886 7 201-0348

### Full Paper/ 2-page Extended Abstract Submission

Authors whose abstracts were accepted are expected to submit either full paper or extended abstract based on the decision they made as of their web registration.

**Extended Abstract:** 2 pages

**Full Paper:** 6 to 12 pages

Format is available on the URL below.

<http://management.kochi-tech.ac.jp/?content=paperguide>

**Note:** Please submit your paper or 2-page extended abstract from your web account.

All the full papers submitted at the symposium will be reviewed by reviewers selected by SSMS.

The authors who submit 2-page extended abstracts are also entitled to make presentation at SSMS2012. They are also allowed to submit their full paper after the symposium for reviewing if they wish.

### Important dates

**Deadline for Full Paper/ 2-page Extended abstract:**

**1<sup>st</sup> April, 2012**

**Early Registration Deadline: 15<sup>th</sup> April, 2012**

### Official Language

English.

# Registration and Payment

## How to Register

You can register yourself by opening your web account on SSMS website. Regardless your participation type, both authors and general participants (audience) need their own web account.

<http://management.kochi-tech.ac.jp/?content=ssmssubmit>

### What you can do on your account:

- see the status of your registration
- make registration fee payment by credit card
- abstract submission
- full paper / extended abstract submission
- re-submit modified paper (before deadline)

When you create your account for the first time, E-mail will be sent to you with ID and Password you chose. Please keep your ID and Password to login.

### Registration Number :

Each registered participant will have 4 digit registration number. This number is required when participants make bank transfer for participation fee.

This number is also used for paper serial code.

### Change and Cancellation

If you wish to make changes of your participation type or cancel your participation, please contact SSMS2012 organizing committee secretariat since participants can not modify once registered information by themselves.

E-mail: [ssms@ctri.org.tw](mailto:ssms@ctri.org.tw) Contact: Ms. Danny Hsiao

## Registration Fees

### Early registration fee

**(before 15<sup>th</sup> April, 2012): 350 US\$**

### Note:

After 16<sup>th</sup> April, 2012, higher rate will be applied.

400 US\$

- Payment before 15<sup>th</sup> April is advised so as to avoid higher rate payment.
- If refund is necessary due to cancellation or option change, please send e-mail to [ssms@ctri.org.tw](mailto:ssms@ctri.org.tw)

If you intend to join post-symposium technical tour, 50 US\$ (Technical Tour fee) will be additionally charged.

## How to Make Payment

The amount you need to pay will be seen on your web account in accordance with your participation type.

### ■ Credit Card Payment

If you login to your web account. You will be guided to PAYPAL.

<http://management.kochi-tech.ac.jp/?content=ssmssubmit>

- Each participant is asked to create a web account for registration. See the “How to Register” section to get further explanation.

### ■ Bank Transfer

When you complete web registration, 4 digit registration number will be displayed on your web account. Please enter this 4 digit number together with your name when you pay through a bank transfer so that secretariat can identify payers.

### Account Information for registration fee

Bank: Taiwan Cooperative Bank

Branch: Liu Ho Branch

Beneficiary Bank Address:

No.2 San Min Road, Hsintien City, Taipei Hsien, Taiwan R.O.C.

Account No.: 0081-765-876-354

Swift Code: TACBTWTP

**Note:** Receipts for registration payment will be issued at the symposium site.

## Event

### Welcome Party

Date: 2<sup>nd</sup> May, 2012

Time: 19:00-21:00

Place: Kaohsiung Ambassador Hotel

Fee: Included in registration payment

### Banquet

Date: 4<sup>th</sup> May, 2012

Time: 19:00-21:00 (Tentative schedule)

Place: Kaohsiung Ambassador Hotel

Fee: Included in registration payment

### Technical Tour (optional)

Date: 5<sup>th</sup> May, 2012

Fee: 50US\$

### Option 1: Kaohsiung Route

Visit the largest Morakot permanent housing construction project and organic agriculture farm by partnership between NGOs and Government agencies for disaster survivors and also visit cultural and commemorative projects in the Xiaolin Village and its disaster site.

### Option2: Pingtung Route

Visit Morakot permanent housing construction projects by various NGOs and also visit indigenous Culture Park, including song and dancing performance, indigenous handicrafts, wood carving and stone sculptures.

- You can register from your web account.
- You can make payment for study tour together with your registration fee for symposium.

## VISA

In order to travel to Taiwan, the required travel documents are your passport and a visa. Please note that visa requirement is up to your nationality. So, SSMS strongly advises you to look the full details of visitor visa application and important information at the website:

<http://www.boca.gov.tw/lp.asp?CtNode=777&CtUnit=77&BaseDSD=7&mp=2>

If you have not requested your official invitation for visa purpose when you registered on the web, after you made sure you need a visa to enter Taiwan, Please inform SSMS2012 Local Organizing Committee.

**Contact person :** Ms. Danny Hsiao E-mail: [ssms@tcrci.org.tw](mailto:ssms@tcrci.org.tw) (please write e-mail in English)

**Note:** Japanese participants do not need to apply for a visa to enter Taiwan.

## Transportation

All international participants will arrive by airplane at international Airport, such as Taoyuan Airport (桃園), Songshan Airport (松山), or Kaohsiung Airport (高雄). Please find the way to get to the symposium venue by making reference to the following information.

### Taiwan Taoyuan International Airport (台灣桃園國際機場)

From Taiwan Taoyuan International Airport (桃園), we strongly advise you to travel to Kaohsiung city by the 'Taiwan High Speed Rail'. Follow the sign 'Taiwan High Speed Rail Shuttle Bus' after you have passed customs. Signs will lead you to the bus stop of a shuttle bus operates between the International Terminal (terminal 1 and 2) and the THSR Taoyuan Station. Here you can take a bus to THSR Taoyuan Station (Headway: Peak hours: per 10-15 minutes a bus). The fare is as follow: Adult NT\$30, Children/Senior/Disabled NT\$15. We advise you to look the full details of route map and bus timetable at the website:

<http://www.taoyuan-airport.com/english/index.jsp>

Once in THSR Taoyuan Station you can use 'Taiwan High Speed Rail' from this station to the Kaohsiung city. Please get off the train at Zuoying Station (左營)

The cost for HSR is approximately NT\$1,330 without discount.

From Zuoying Station to the venue, please find information from the URL below:

[http://management.kochi-tech.ac.jp/?content=symposium\\_venue](http://management.kochi-tech.ac.jp/?content=symposium_venue)

### Taipei Songshan Airport (台北松山機場)

From Taipei Songshan Airport, we strongly advise you to travel to Kaohsiung city by the 'Taiwan High Speed Rail'. The nearest high speed rail station is Taipei Station. There are two recommended ways to reach this station: (1) by taxi and (2) by MRT train. We strongly advise you to travel by sharing the taxi: 2-3 persons per 1 taxi depending on your baggage size. The address to report to a taxi driver is Taipei Station (台北車站). If you would like to use a MRT train to Taipei Main Station, we advise you to look the full details of route map at the website: <http://www.urbanrail.net/as/taip/taipei.htm>

Once in THSR Taipei Station you can use 'Taiwan High Speed Rail' from this station to the Kaohsiung city. The cost for HSR is approximately NT\$1,490 without discount.

From Zuoying Station to the venue, please find information from the URL below:

[http://management.kochi-tech.ac.jp/?content=symposium\\_venue](http://management.kochi-tech.ac.jp/?content=symposium_venue)

### Kaohsiung International Airport (高雄國際機場)

From Kaohsiung International Airport (高雄), This is the easiest way to go to the venue with details as follow:

(1) By Taxi: Taxi fee approx NT\$300, driving distance 20min.

(2) By MRT:

<http://www.thismonthintaiwan.com/KaohsiungMRTRouteMap.html>

(2.1) Take Red Route R4 Kaohsiung International Airport to R9 Central Park and then walking distance about 15 min to the Ambassador Hotel or transit bus Red 20 to The Ambassador Hotel 站 station.

(2.2) Take Red Route R4 Kaohsiung International Airport to R10 Formosa Boulevard and transit to Orange Route to O4 City Council land then walking distance about 10min to the Ambassador Hotel.

(3) By Bus: Take the Airport Express buses or Bus 301 to Kaohsiung Train station, and transit to bus 12 or 248 to Taiwan Bank, and then walking distance to the Ambassador Hotel is approx 10min.

(4) Airport pick up service: If necessary, please make a request to the hotel directly.

## Accommodation

We advise you to send your application directly to one of the hotels listed below. These hotels give SSMS participants the special discount. Only the people who use the application form can get discount. Please go to the URL and download the hotel reservation form.

1. Hotel Kingdom: application form downloadable on society web site
2. Fullon Hotel Kaohsiung: application form downloadable on society web site
3. Kaohsiung Ambassador Hotel: application form downloadable on society web site

**Please obtain the hotel reservation form from the URL below:**

[http://management.kochi-tech.ac.jp/?content=symposium\\_venue](http://management.kochi-tech.ac.jp/?content=symposium_venue)

## Contact

### SSMS2012 Local Organizing Committee

Contact Person: Danny Hsiao, Taiwan Construction Research Institute

Address: 11F #190, Sec. 2, Zhongxing Rd., Xindian Dist.,  
New Taipei City 23146, Taiwan R.O.C.

Tel: +886 2 8919 5012

Fax: +886 2 2911 3541

E-mail: [ssms@tcri.org.tw](mailto:ssms@tcri.org.tw)

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## Schedule of SSMS2012 (Subject to change without notice)

Date	Time	Session
Wednesday, 2 <sup>nd</sup> May	19:00 ~ 21:00	<b>Welcome Party(Optional)</b>
Thursday, 3 <sup>rd</sup> May 2012	09:00 ~ 09:30	<b>Opening Ceremony</b> - Opening Remarks by Dr. Jenn-Chuan Chern, President of SSMS and Minister of Public Construction Commission, Taiwan - Opening Address by Dr. Yuan-Tseh Lee, Nobel prize winner (1986) and President of International Council for Science - Welcome address by an honorable guest
		<b>Keynote Speech</b> - Dr. Gordon McBean, President-elect of International Council for Science and Director, Policy Studies, Institute for Catastrophic Loss Reduction, Western University, Canada <b>Presentation Title:</b> Taking an Integrated Approach to Disaster Risk Reduction
		<b>Keynote Speech</b> - Dr. Chao-Han Liu, Academician and Chair of International Center of Excellence (ICoE), Academia Sinica <b>Presentation Title:</b> Integrated Research on Disaster Risk (IRDR) ----A New International Initiative in Disaster Research
	10:30 ~ 11:15	<b>Invited Lecture</b> - Prof. Akira Omoto, Commissioner, Japan Atomic Energy Commission <b>Presentation Title:</b> Accident at TEPCO's Fukushima-Daiichi NPP
	11:15 ~ 12:00	Lunch
	12:00 ~ 14:00	<b>10 Parallel Sessions</b>
	14:00 ~ 15:40	<b>10 Parallel Sessions</b>
Friday, 4 <sup>th</sup> May 2012	09:00 ~ 09:45	<b>Keynote Speech</b> - Prof. Emeritus Nobuo Shuto Disaster Control Research Center, Tohoku University, Japan <b>Presentation Title:</b> A Short History of Tsunami Defense Work in Japan
		<b>Invited Lecture</b> - Dr. Jenn-Chuan Chern, President of SSMS and Minister of Public Construction Commission, Taiwan <b>Presentation Title:</b> An Innovative Approach for Post-Disaster Reconstruction of Typhoon Morakot in Taiwan
	09:45 ~ 10:30	<b>Invited Lecture</b> - Dr. Ir. Idwan Suhardi, Deputy Minister Ministry of Research and Technology, Indonesia <b>Presentation Title:</b> The Influence of Tsunami 2004 and 2011 to Tsunami Early Warning System in Indonesia
	10:45 ~ 11:30	<b>SSMS Paper Award Ceremony</b> - Danai Jampanil, Kochi University and Technology, Japan - Patricia Ann Jaramilla Sanchez, University of Tokyo, Japan - Weerakoon Gmpr, Peradeniya University, Sri Lanka
	11:30 ~ 12:00	Lunch

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Date	Time	Session
	14:00 ~ 15:40	10 Parallel Sessions
	16:00 ~ 17:15	<b>Panel Discussion: International Experience on Disaster Prevention and Reconstruction Management</b> – Chairperson: Prof. Seigo Nasu, Kochi University and Technology, Japan – Prof. Sucharit Koontanakulvong, Chulalongkorn University, Thailand – Prof. Ananda Jayawardane, Vice Chancellor, Moratuwa University, Sri Lanka – Dr. Liang-Chun Chen, Director, National Science and Technology Center for Disaster Reduction, Taiwan
	17:15 ~ 17:30	<b>Closing Remarks</b> – Dr. Jenn-Chuan Chern, President of SSMS Minister of Public Construction Commission, Taiwan
	19:00 ~ 21:00	<b>Banquet (Optional)</b>
Saturday, 5 <sup>th</sup> May	09:00 ~ 16:00	<b>Study Tour (Optional)</b>

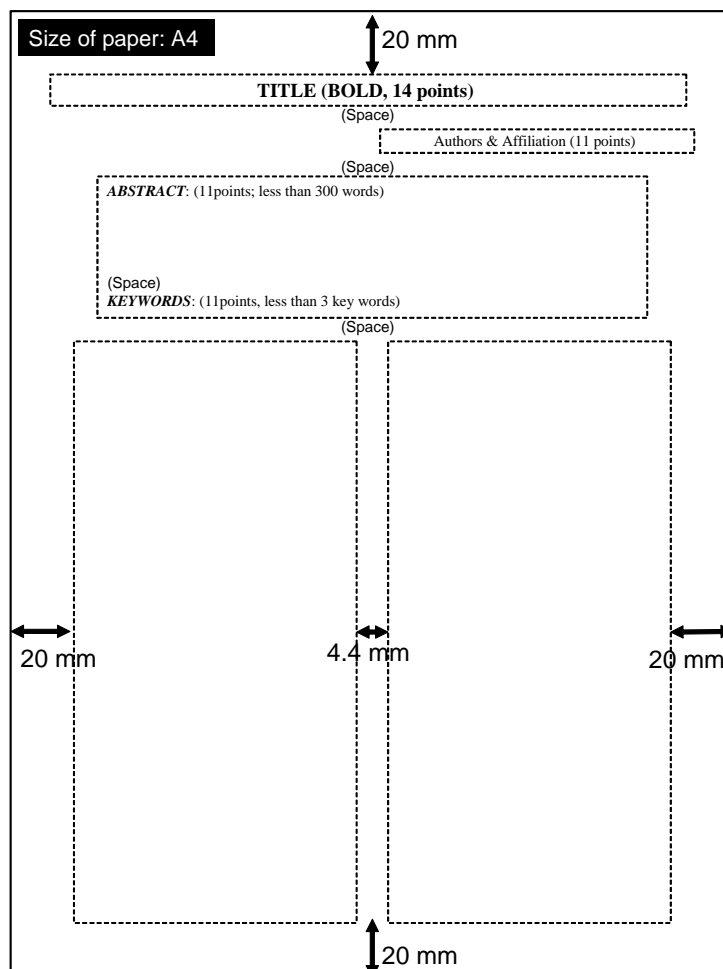
# SUBMISSION OF FULL PAPER (Deadline: 1<sup>st</sup> April, 2012)

Deadline for submission of full paper: **1st April, 2012**

- The official language is English.
- Use the SI (System International) Units and Symbols.
- The format of the file must be **Microsoft Word** or **PDF**.
- The official font and size for the title of paper are Times New Roman and 14 points respectively.
- The number of pages must be **6 to 12 pages**.
- The author(s)'s name and affiliation (s) have to be mentioned.
- Around 300-word abstract is required between the affiliation and the main text.
- Each margin (left, right, top and bottom) on each page is 20mm.
- The **number of columns of the main text is TWO**, and the interval of the columns is 4mm.
- The official font and size of the **main text** including the abstract are **Times New Roman** and **11 Points** respectively.
- Numbering of text
  - 1) Chapter: **1. INTRODUCTION (11pt, BOLD, CAPITAL)**
  - 2) Section: **1.1 Introduction (11pt, Bold)**
- Numbering of Figure, table, photo & equation
  - 1) Figure: Figure 1 or Figure 1.1
  - 2) Table: Table 1.1 or Table 1
  - 3) Photo: Photo 1.1 or Photo 1
  - 4) Equation: (1.1) or (1).
- The resolution of figure, table or picture has to be more than 300DPI.
- The coefficient of equation has to be in italic.

Please obtain the template files from the URL below:

<http://management.kochi-tech.ac.jp/?content=paperguide&lng=e>



## Keynote and Invited Speakers (in the order of lecture)

**Dr. Jenn-Chuan Chern** is the Minister without Portfolio & Minister of Public Construction Commission of Executive Yuan, Taiwan. He also serves as the CEO for Morakot Post-Disaster Reconstruction Council, Executive Yuan. He was the Distinguished Professor of Civil Engineering at National Taiwan University. He is an academician of Russia International Academy of Engineering and a fellow of ACI. He is the president of the Society for Social Management Systems (SSMS). Dr. Chern is the immediate past chair of Executive Committee of Asian Civil Engineering Coordinating Council (ACECC) and the past vice president of the Asian Concrete Federation (ACF). He was the president of Chinese Institute of Civil and Hydraulic Engineering (CICHE) and is the founder and past president of Taiwan Concrete Institute (TCI). Dr. Chern received his Ph.D. in civil engineering from Northwestern University in 1984. Dr. Chern is the recipient of many awards, including Outstanding Research Awards from National Science Council of Taiwan; Significant Contribution to 921 Chi-Chi Earthquake Reconstruction Award from Post-Disaster Recovery Commission of Cabinet. Dr. Chern also received ACECC Civil Engineering Achievement Award in 2010 and International Contribution Award from Japan Society of Civil Engineers (JSCE) in 2008.

**Dr. Yuan-Tseh Lee** is a Nobel Prize winner in Chemistry and the president of International Council for Science. After he obtained his Ph.D. at the University of California at Berkeley, In 1967, Dr. Lee joined Dudley Herschbach's group at Harvard as a research fellow where they took molecular beam experimentation beyond the alkali age. After being appointed assistant professor at the University of Chicago in 1968, he rapidly made his laboratory the North American capital of molecular beam study. Dr. Lee returned to Berkeley as a full professor in 1974 and significantly expanded his research to include, in addition to crossed molecular beams, studies of reaction dynamics, investigations of various primary photochemical processes, and the spectroscopy of ionic and molecular clusters. In 1994, he retired from his position of University Professor and Principal Investigator for the Lawrence Berkeley Laboratory at the University of California at Berkeley and assumed the position of the President of Academia Sinica, the highest ranking academic institution in Taiwan consists of 30 independent institutes and 250 academicians. Dr. Lee has received numerous awards and honors, including the 1986 Nobel Prize in Chemistry, the U.S. National Medal of Science, Faraday Medal and Prize from the Royal Chemical Society of Great Britain.

**Dr. Gordon McBean** is a Professor with the Institute for Catastrophic Loss Reduction at Western University, London, Canada. He is the President-elect of the International Council for Science (ICSU) and was the Chair of the international Science Committee for the Integrated Research on Disaster Risk program. He is Chair of the International Advisory Board for the IRDR International Centre of Excellence located in Taipei. His present research includes, as Canadian Principal Investigator, an integrated natural-social-health sciences study Coastal Cities at Risk, focusing on Vancouver, Lagos, Bangkok and Manila, in cooperation with Global Environmental Change START (regional networks and capacity building in Africa and Asia) International of which he is President of the Board. Other recent research projects have included a policy synthesis project on Climate Change as a National Security issue. He is also: Chair of the ad-hoc Committee for the Ontario Regional Climate Change Consortium; Chair of Board of the Canadian Foundation for Climate and Atmospheric Sciences; and member of: the UNESCO High Panel for Science for Development; and UN International Strategy for Disaster Reduction Science and Technical Committee. From 1994 to 2000, he was Assistant Deputy Minister in Environment Canada responsible for climate, weather and air quality sciences and services in the federal government. He has been appointed a Member of the Order of Canada and of the Order of Ontario. He shared in the awarding of the 2007 Nobel Peace Prize to the IPCC. He is a Fellow of the: Royal Society of Canada, the Royal Canadian Geographical Society, the American Meteorological Society and the Canadian Meteorological and Oceanographic Society; and received the Patterson Medal for distinguish contributions to meteorology by a Canadian.

**Dr. Chao-Han Liu** is an Academician and chair of International Center of Excellence (ICoE), Academia Sinica. As the Chair of the ICoE, Dr. Liu directs an Integrated Research on Disaster Risk (IRDR) that is a decade-long, interdisciplinary research program sponsored by the International Council for Science (ICSU) in partnership with the International Social Science Council (ISSC), and the United Nations International Strategy for Disaster Reduction (UN-ISDR). It is a global initiative seeking to address the challenges brought by natural disasters, mitigate their impacts, and improve related policy-making mechanisms. Since the mid-1990s, Dr. Liu has led a group of scientists with different disciplinary backgrounds to carry out global change and sustainability research in Taiwan and established Taiwan as a regional leader in this field. Academician Chao-Han Liu was elected a Foreign Associate of the US National Academy of Engineering (NAE), the academy announced on February 9, 2012. Dr. Liu received the honor for his contributions to ionospheric research and international leadership in atmospheric remote sensing.

**Prof. Akira Omoto** is currently the Commissioner of Atomic Energy Commission of Japan, and he is also the Project Professor at the Department of Nuclear Engineering and Management, Graduate School of Engineering, University of Tokyo. Before assuming the current position, until 2009 September, he was Director of the Division of Nuclear Power of the IAEA. As a director, he had worked in support of existing nuclear reactors for excellence in operation, of countries considering introduction of nuclear power and of reactor technology development. Before serving for the IAEA, until 2003 December, he was a General Manager of the Department of Nuclear Engineering of The Tokyo Electric Power Company. By education, he is a nuclear engineer. He graduated from the Department of Nuclear Engineering of the University of Tokyo and later received his doctoral degree from the same university.

**Prof. Nobuo Shuto** is the honorary professor of Tohoku University, and had outstanding academic careers in the field of tsunami science. He is well recognized internationally as one of the pioneers of tsunami modeling and now is particularly focused on tsunami hazard planning. He was formerly the professor in the universities, such as Iwate prefectural university, Nihon University and Chuo University. In 1990's when he was the vice chairman of IUGG (International Union of Geodesy and Geophysics) Tsunami Committee, He proposed and began the TIME project (Tsunami Inundation Modeling Exchange) as a joint project of IUGG and IOC (Intergovernmental Oceanography Commission), UNESCO, during IDNDR (International Decade for Natural Disaster Reduction). He won International Coastal Engineering Awards from American Society of Civil Engineers in recognition of the pivotal roles and worldwide leadership he has displayed over the past 30 years in the research of tsunamis.

#### **Dr. Idwan Suhardi**

He is the Deputy to the Ministry for Utilization and Dissemination of Research and Technology. His profile will be introduced on the SSMS website soon.