

**World Federation of Engineering Organizations (WFEO)
Standing Technical Committees on Disaster Risk Management (CDRM)
2014 Activities, Midterm Report (April 2014 to October 2014)**

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Table of Abbreviations

WFEO-CDRM Chair
Prof. Toshimitsu Komatsu

1. Name of Committee Secretary

CDRM Secretary

Kenichi Tsukahara,

CDRM Deputy Secretary

Nobuaki Kimura,

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Kyushu University,
W2-1011, 744 Motooka, Nishi-ku, Fukuoka City,
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2. List of Committee Members, Their Contact Details and Their Affiliation to National Membership

WFEO-CDRM MEMBERSHIP CONTACT LIST confirmed in November 2014

Chair, Vice Chair and leaders

Country	Name and title	Position and affiliation	Contact
Japan	Prof. Toshimitsu Komatsu	Chair of CDRM; Professor Emeritus of Kyushu University.	
Australia	Dr. Marlene Kanga	Vice Chair of CDRM; Leader of Subcommittee on CBNDRM; WFEO National Member representative (Australia); Member, WFEO Executive Council and Special Adviser to WFEO President for Asia-Pacific region.	
Japan	Prof. Syunsuke Ikeda	Vice Chair of CDRM; Chair of Committee on WFEO, Science Council of Japan, Cabinet Office.	
USA	Prof. Vilas Mujumdar	Vice Chair of CDRM; U.S.A. National Sciences Foundation, Disaster Risk Mitigation at System Level through PPP	
Japan	Prof. Kenichi Tsukahara	Leader of Subcommittee on WDRM; Secretary of CDRM; Secretary of Committee on International Cooperation for Natural Disaster Risk Reduction of Science Council of Japan; Professor of Dept. of Civil Eng., Kyushu University.	
Japan	Prof. Akira Wada	Leader of Subcommittee on EQDRM; Professor Emeritus of Tokyo Institute of Technology.	

Subcommittee on Water-related Disaster Risk Management (WDRM)

Country	Name and title	Position and affiliation	Contact
Australia	Dr. Marlene Kanga	Vice Chair of CDRM; Leader of Subcommittee on CBNDRM; WFEO National Member representative (Australia); Member, WFEO Executive Council and Special Adviser to WFEO President for Asia-Pacific region.	
Bangladesh	Dr. Ashutosh Sutra Dhar	Associate Professor, Dept. of Civil Eng., Bangladesh Univ. of Engineering & Technology.	

Country	Name and title	Position and affiliation	Contact
Canada	Prof. Slobodan P. Simonovic	Professor of Dept. of Civil and Env. Eng. and Inst. for Catastrophic Loss Reduction, Univ. of Western Ontario	
Canada	Prof. Gordon McBean	Professor of Dept. of Geography and Political Science, Inst. for Catastrophic Loss Reduction, Univ. of Western Ontario.	
Canada	Prof. S. C. (Chan) Wirasinghe	Professor of Dept. of Civil Engineering, Schulich School of Engineering, Univ. of Calgary.	
China	Prof. Xiaotao Cheng	Professor of Dept. of Water Hazard Research, China Inst. of Water Resources and Hydropower Research (IWHR)	
India	Mr. Mohan Jagdish	Institution of Engineers, India; Member of IMC-WFEO.	
Iran	Prof. Ali Chavoshian	CTI Engineering Co., Ltd; Assistant Professor of Iran University of Science and Technology in Iran	
Japan	Prof. Syunsuke Ikeda	Chair of Committee on WFEO in Science Council of Japan, Cabinet Office.	
Japan	Prof. Fumihiko Imamura	Professor of Disaster Control Research Center, Tohoku Univ.	
Japan	Dr. Yumio Ishii	Former Chair of CDRM; CTI Engineering Co., Ltd.	
Japan	Dr. Kazumasa Ito	Former Secretary of CDRM; Chief Engineer of CTI Engineering Co., Ltd.	
Japan	Prof. Kazutoshi Kan	Professor of Shibaura Institute of Technology.	
Japan	Mr. Tsuneyoshi Mochizuki	Executive Director of Japan River Association.	
Japan	Prof. Yasuyuki Shimizu	Professor of Faculty of Engineering, Hokkaido Univ.	
Japan	Prof. Kuniyoshi Takeuchi	Director of International Center for Water Hazard and Risk Management.	
Kuwait	Eng. Talal M. Al-Qahtani	Chair of Kuwaiti Society of Engineers.	
Kuwait	Eng. Abdullah E. Al-Otaibi	Team Leader of Planning.	
Kuwait	Eng. Ahmad Khaled Al-Qassar	Member of WFEO Bureau of Kuwait.	
Morocco	Mr. Mokhtar Bzioui	Water planning and management consultant.	
Philippine	Prof. Leonardo Liongson	Chair of Philippine National Committee for the UNESCO IHP.	
Peru	Ing. Loren M. Ruiz	Colegio de Ingenieros del	

Country	Name and title	Position and affiliation	Contact
	García	Peru-Consejo Nacional.	
Vietnam	Dr. Son Hung Nguyen	Chief Engineer of CTI Engineering Co., Ltd.	

Collaborative Member of WDRM

Country	Name and title	Position and affiliation	Contact
Canada	Mr. Wayne Bowes	Past President of FIDIC, Treasurer, Red Canada.	

Subcommittee on Earthquake-related Disaster Risk Management (EQDRM)

Country	Name and title	Position and affiliation	Contact
China	Prof. Zifa Wang	Institute of Engineering Mechanics, Earthquake Administration, Harbin.	
India	Er. Ashok Basa	Director of M/s. B. Engineers & Builders Limited.; President, Institution of Engineers (India)	
Japan	Prof. Masanori Hamada	Professor of Dept. of Civil and Env. Eng., Waseda Univ.	
Japan	Prof. Muneo Hori	Professor of Earthquake Research Institute, Univ. of Tokyo.	
Japan	Dr. Toshiaki Fujimori	President of International Institute for Construction Technology Information.	
Korea	Prof. Hyun Moo Koh	Professor of Dept. of Civil Eng., Seoul National Univ.	
Kuwait	Eng. Jalal Abudulmohsen Al-Tabtabaei	Director for Consultancy and Project Management, International Quality Center.	
Philippines	Prof. Andres W.C. Oreta	Professor of Dept. of Civil Eng., De La Salle Univ.	
Chinese Taipei	Prof. Yeou Fong Li	Professor of Dept. of Civil Eng., National Taipei Univ. of Tech.	
Chinese Taipei	Prof. Tzu Ying Lee	Professor of Dept. of Civil Eng., National Central Univ.	
USA	Prof. Vilas Mujumdar	Vice Chair of US National Sciences Foundation, Disaster Risk Mitigation at System Level through PPP.	
USA	Dr. Alfredo H-S Ang	Univ. of California, Irvine	

Collaborative Member of EQDRM

Country	Name and title	Position and affiliation	Contact
USA	Prof. Thomas D. O'Rourke	Professor of School of Civil and Env. Eng., Cornell Univ.	

Subcommittee on Capacity Building for Natural Disaster Risk Management (CBNDRM)

Country	Name and title	Position and affiliation	Contact
Canada	Prof. S. C. (Chan) Wirasinghe	Dept. of Civil Engineering, Schulich School of Engineering, Univ. of Calgary	
India	Er. Ashok Basa	Director of M/s. B. Engineers & Builders Limited.; Chair of Civil Engineering Division Board of the Institute of Engineers.	
Lebanon	Ing. Paul Nacouzi	Order of Engineers & Architects Beirut.	
Kuwait	Eng. Abdullah E. Al-Otaibi	Team Leader of Planning	
Kuwait	Eng. Ahmad H. Bahman	Chair of Disaster Risk Management for the Kuwait Chapter, Kuwait Society of Engineers; Head of installation - Inspection department, prevention sector in Kuwait Fire Services Brigade.	
USA	Prof. Vilas Mujumdar	Vice Chair of US National Sciences Foundation, Disaster Risk Mitigation at System Level through PPP.	

CDRM Secretariat

Country	Name and title	Position and affiliation	Contact
Japan	Prof. Kenichi Tsukahara	Secretary of CDRM; Leader of Subcommittee on WDRM; Secretary of CDRM; Secretary of Committee on International Cooperation for Natural Disaster Risk Reduction of Science Council of Japan; Professor of Dep. of Civil Eng., Kyushu Univ.	
Japan	Dr. Nobuaki Kimura	Deputy Secretary of CDRM; Post-doctoral fellow of Dep. of Civil Eng., Kyushu Univ.	

Others (Registration of membership has not been completed yet.)

Country	Name and title	Position and affiliation	Contact
Honduras	Andrés A. Escobar S.	Civil Engineer's Association of Honduras	

3. Recruitment of New Members

The CDRM has not gained any new members over the past term. Potential members (YE/FL Committee and Peru NM) inquired with the CDRM about new membership previously, but they have not yet become CDRM members. In addition, Prof. Komatsu (CDRM Chair) is recruiting a new member to visit Asian countries and regions, such as Chinese Taipei and Vietnam.

4. Detailed Budget, Sources of Funds, and Requests for WFEO Allocation

Financial statements of the WFEO-CDRM for 2014 March 2014 and October 2014 are shown as follows.

(1) Revenues and Expenditures for Midterm Fiscal Year 2014 (Mid-FY2014) from April 2014 to October 2014

The budget for Mid-FY2014 was spent as planned by October 2014, with most of the funds used for hosting the 8th Joint International Symposium on Disaster Risk Management.

WFEO-CDRM Financial Statements for Mid-FY2014

Revenue

Content	Unit	Amount
WFEO allocation	EUR	1,500.00

Expenditure

Content	Unit	Amount
1. The 8th Joint International Symposium (Kobe, Japan) Sept. 13 2014		
- Compensation for speakers (8 guest speakers)	JPY	93,380
- Copy of proceedings (40 copies)	JPY	71,200
- Reception + (20 guests)	JPY	40,000
- Drinks (bottled water) + office supplies	JPY	2,160
- Expendable printer supplies (e.g., ink, drum, papers)	JPY	41,728
2. Report of CDRM activity		
- Editing and proofreading for the report	JPY	0
- Expendable office supplies (e.g., envelopes)	JPY	280
3. Others		
- Bank transfer fee		0
Total	JPY	208,508
Total	EUR	1,521.80
Balance (subtracted from WFEO allocation)	EUR	- 21.80

Note that 1 JPY = 0.0073 EUR (June 2014), and sales tax is included.

(2) Revenues and Expenditures for FY2014 (from April 2014 to March 2015)

The CDRM has no report for the midterm report.

5. Report on the CDRM Website and Committee Section on the WFEO Homepage

Three updated areas and items uploaded to the website from March 2014 to November 2014:

Updated membership lists (new members added)

updated November 2014

Submission of the Proceedings of the 8th Joint International Symposium on Disaster Risk Management, 2014

uploaded September 2014

Announcement of the 8th Joint International Symposium on Disaster Risk Management, Kobe University (Japan), September 13, 2014

updated August 2014

6. Organization Structure in 2014

The CDRM currently consists of three Subcommittees: Water-related Disaster Risk Management (WDRM), Earthquake-related Disaster Risk Management (EQDRM), and Capacity Building for Natural Disaster Risk Management (CBNDRM). The Chair, Vice Chairs, and Leaders of the subcommittees have not changed since September 2013.

(1) Chair

Prof. Toshimitsu Komatsu (Japan)

(2) Vice Chairs

Prof. Syunsuke Ikeda (Japan), Prof. Vilas Mujumdar (United States), and Dr. Marlene Kanga (Australia)

(3) Subcommittee on Water-related Disaster Risk Management (WDRM)

The subcommittee on WDRM consists of approximately 20 full members and one collaborative member representing 12 countries (see the table showing CDRM membership lists). The current leader of this subcommittee is Prof. Kenichi Tsukahara (Japan).

(4) Subcommittee on Earthquake-related Disaster Risk Management (EQDRM)

The subcommittee on EQDRM consists of approximately 10 full members and one collaborative member representing eight countries (see the table showing CDRM membership lists). The current leader of this subcommittee is Prof. Akira Wada (Japan).

(5) Subcommittee on Capacity Building for Natural Disaster Risk Management (CBNDRM)

The subcommittee on CBNDRM consists of approximately five full members representing five countries (see the table showing CDRM membership lists). The current leader of this subcommittee is Dr. Marlene Kanga (Australia).

(6) Secretary and Deputy Secretary

The current secretary is Prof. Kenichi Tsukahara (Japan), and the deputy secretary is Dr. Nobuaki Kimura (Japan).

7. Past Strategic and Action Plans for 2014

The action items for 2014 were planned in early 2014 and were already approved at the Extended Executive Council meeting (Paris, April 2004) as follows:

(1) Continuing actions

More than half a year of the 2nd term (2013–2017) of the CDRM has passed since change of the CDRM chair in September 2013. The items and plans for the 2nd term CDRM activities, approved at the WFEO Executive Council meeting and General Assembly held in Singapore, September 2013, will be the same. For example, Japan will still stand as the host nation of the committee. Organizational structure is the same as that approved at the General Assembly (September 2013, Singapore) as follows:

Chair: Prof. Toshimitsu Komatsu

Vice Chairs: Prof. Syunsuke Ikeda, Prof. Vilas Mujumdar, and Dr. Marlene Kanga

Subcommittee Leader on WDRM: Prof. Kenichi Tsukahara

Subcommittee Leader on EQDRM: Prof. Akira Wada

Subcommittee Leader on CBNDRM: Dr. Marlene Kanga

Secretary: Prof. Kenichi Tsukahara

Deputy Secretary: Dr. Nobuaki Kimura

(2) Inviting new members

New members will be recruited by requesting of the members of the WFEO Executive Council that they introduce a potential new member to the CDRM.

(3) Releasing news/announcements and updating the contents on the CDRM's website on the WFEO home page

The contents on the CDRM website on the WFEO homepage will be as follows: updated objectives, organizational structure, publication, minutes of meetings, etc.

(4) Editing and releasing an E-Newsletter for the CDRM members (one or two issues/year)

The E-Newsletter containing the reports of the CDRM activities will be prepared and distributed.

(5) Preparing a draft guideline for “Earthquake-related DRM of Seismic Retrofit Technology for Buildings and Infrastructure”, “Seismic Isolation Technology and Construction Methods for Earthquake-proof Structures” etc.

Based on the discussion among the subcommittee members of the EQDRM, the draft guideline for the Earthquake-related DRM could be further improved and revised in the preparation process.

(6) Preparing a draft guideline for Water-related DRM

The guideline, which is associated with water-disaster fundamentals, floods and tsunamis, provides prevention methods and tools for risk assessment and development of a disaster warning system. It is in preparation. It is necessary to resolve author's copyrights for quotations in the guideline publication.

(7) Preparing a draft for “the DRM Guideline for Droughts and Storm Surges”

Studies on droughts, typhoons and storm surges will be started in order to develop the preliminary draft of the guideline for water-related DRM by adding the contents of droughts and storm surges.

(8) Subcommittee activities

The subcommittee on CBNDRM will be developing a web page with resources for natural disaster risk management.

(9) Holding “the 8th Joint International Symposium on Disaster Risk Management”

The 8th Joint International Symposium is to be held in late Sept. 2014 when the annual conference of the Architectural Institute of Japan (AIJ) is held in Kobe City, Japan. It will be co-hosted by WFEO, AIJ, and Japan Federation of Engineering Societies (JFES), and Japan Society of Civil Engineers (JSCE) and supported by Science Council of Japan (SCJ). The symposium proceedings will be prepared and published.

(10) Preparing and organizing a face-to-face meeting for the CDRM members during the meeting of the World Engineering Conference on Sustainable Infrastructure, November 2014, Abuja, Nigeria (WECSI2014).

The face-to-face meeting is to be organized to exchange the latest information on disaster risk management and disaster damage and loss caused by global climate change in recent years. Meeting materials (e.g., agenda) will be prepared and distributed in a printed version to the participants of the meeting.

(11) Collaborating with other organizations

The CDRM has worked expectedly with international organizations (e.g., UNISDR, UNESCO, OECD etc.) and regional engineering organizations and groups by providing inputs and exchanging opinions in individual meetings and international conferences and by working together with them to hold symposiums and workshops. In particular, for these organizations, the CDRM would propose an adaptation plan to reduce potential disaster risks and prevent disasters, which directly obstruct the construction of sustainable development (a Rio+20's outcome) under global climate change. In fact, the CDRM is now preparing a cooperative symposium with the IIIR in Seoul, August 2015 and is participating in IRDR meetings which will provide the inputs related to adaptation engineering against disasters into SDGs and WCDRR (2015 March, held in Sendai, Japan).

8. Midterm Statues/Progresses on the Proposed Activities

Based upon the 2014 strategic and action plans (see Section 7 above), the midterm statuses/progresses on committee activities from April 2014 to October 2014 are reported as follows:

(1) Organization and Structure

The existing organizational structure has not changed. However, the CDRM is considering the expansion of the EQDRM subcommittee's role into that of a mega-disaster subcommittee, which can study and investigate compounded disaster events such as the 2011 Tohoku earthquake, tsunami, and Fukushima nuclear disaster.

(2) Admission of New Members

Potential members (YE/FL Committee and Peru NM) inquired with CDRM about a new membership previously, but they have not yet become CDRM members. In addition, Prof. Komatsu (CDRM Chair) is recruiting a new member to visit Asian countries and regions, such as Chinese Taipei and Vietnam.

(3) Website Updates

Since April 2014, multiple updates to the contents of the CDRM website on the WFEO homepage included the maintenance of membership, the publication of proceedings from the 8th Joint International Symposium on Disaster Risk Management, and the announcement of the aforementioned symposium being held.

(4) E-Newsletters

The e-newsletter has not yet been published. However, a new e-newsletter will be issued and be distributed by the early January. This plan remains the same as last year's.

(5), (6), & (7) Guidelines Associated with DRM

The guidelines for water-related DRM, earthquake-related DRM, and DRM for droughts and storm surges are still in preparation.

(8) Subcommittee Activities

a. The CBNDRM has developed a comprehensive-source website related to natural disaster risk management. The website was discussed at the Executive Council meeting in April 2014 in Paris where some members of the CDRM were present. Further development was done subsequently include a search function by the WFEO webmaster. The web page is now live. Members can easily add resources to the web page using the "add resources function". Members of the CDRM are requested to provide information for the resources page. Please visit: <http://www.wfeo.net/ndrm/>. Dr.

Kanga (Leader of the subcommittee CBNDRM) is pleased to report a corporate sponsor for the web-page Liberty international Underwriters. The sponsorship is for 3 years from July 2014.

b. Dr. Wada (Leader of subcommittee EQDRM) is one of the executive members who have run the SCJ academic forum, which regularly hosts a high-level academic conference. The SCJ academic forum recently created a joint statement of “*30 Disaster-Related Academic Societies of Japan: Global Sharing of Findings from Past Great Earthquake Disasters in Japan.*” This statement will be included on the 3rd WCDRR agenda.

(9) 2014 Joint International Symposium

The 8th Joint International Symposium on Disaster Risk Management was held successfully on the morning of September 13, 2014, at Kobe University, Japan. The four science/engineering-related organizations (i.e., AIJ, JFES, JSCE and SCJ) collaboratively hosted the symposium, featuring the sub-theme of “*Education for Disaster Prevention, Reconstruction from Kobe Earthquake Disaster, and Adaptation Plan Under Climate Change.*” Eight guest speakers presented to approximately 60 audience members and then held a discussion with the audience. In addition, the proceedings for the speakers’ presentations were published at the same time. Please see References 1 for more detail.

(10) Annual Face-to-Face Meeting

The 5th face-to-face meeting of the WFEO Standing Committee on Disaster Risk Management will be held on December 11, 2014, in Paris, France.

(11) Inputs on International Conferences Related to DRM

a. The CDRM Chair, Prof. Komatsu, and CDRM member, Prof. S. Chan Wirasinghe, participated in and spoke at the 10th Annual Conference of the International Institute for Infrastructure Resilience and Reconstruction (IIIRR) held from May 20–22, 2014 at Purdue University, United States.

b. The CDRM Chair, Prof. Komatsu, has been invited to be a guest speaker at the Tokyo Conference on International Study for Disaster Risk Reduction and Resilience (Tokyo Conference for DRRR) held by IRDR, UNISDR, and Japanese academic organizations. The Tokyo Conference for DRRR is very important, as it precedes the 3rd UN-World Conference on Disaster Risk Reduction (3rd WCDRR), and any outcomes of the Tokyo Conference for DRRR will be reflected at the 3rd WCDRR.

(12) Other Activities

a. The CDRM Chair, Prof. Komatsu, has recruited potential CDRM members in the East Asian region, such as Korea and Taiwan.

b. The CDRM Chair, Prof. Komatsu, has been invited to serve as chief editor for a special issue related to adaptation methods against climate change for an international journal, the *Journal of*

9. Collaboration and Coordination with International Organizations and Others

(1) Coordination with UNESCO

The CDRM subcommittee EQDRM has been helping UNESCO's Cross-Cutting Thematic Unit on Disaster Risk Reduction (SC/DRR) produce a publication for building² seismic -standards-related research since April 2014.

(2) Collaboration with the 2015 IIIRR Conference

The CDRM is preparing a collaborative symposium (a half-day session with eight speakers) for the 11th Annual Conference of the IIIRR, to be held in Seoul, South Korea, from August 27–28, 2015.

(3) Collaboration with WECC2015

The CDRM may cooperatively prepare a special session associated with water-related DRM during the WECC2015 in Kyoto, Japan. We are currently preparing the session proposal to obtain financial support.

(4) Coordination with Other International Organizations

The CDRM Secretary, Prof. Tsukahara, is preparing to hold the Tokyo Conference for DRRR as a partly IRDR-related member. The conference will affect many discussions at the 3rd WCDRR.

Reference 1

Report for “The 8th Joint International Symposium on Disaster Risk Management —Education for Disaster Prevention, Reconstruction from Kobe Earthquake Disaster, and Adaptation plan under Climate Change Plan”

The engineering-related academic associations (the Architectural Institute of Japan, ‘AIJ’, the Japan Society of Civil Engineers, the Japan Federation of Engineering Societies) and the international non-governmental organization for engineers (the World Federation of Engineering Organizations, ‘WFEO’) held the 8th Joint International Symposium on Disaster Risk Management (DRM), at Kobe University (Kobe City, Japan), Sept. 13, 2014 during the AIJ 2014 annual meeting. The Science Council of Japan SCJ supported this symposium. The symposium committee invited eight guest speakers from Japan, Taiwan, India, Israel, Peru, and Colombia. They are all remarkable researchers, educators and engineers, whose backgrounds are primarily education, engineering, and social science for worldwide or local disaster prevention and reduction.

According to the symposium program (see attachment), the AIJ President, Prof. Yoshino, had opening remarks and talked about robust preparedness for future severe disasters based upon the lessons from past disaster events. Four presentations and Q&A were performed sequentially in the first session: *Introduction of severe natural disasters that India experienced* by Er. Basa (President, Institution of Engineers, India), *A case study of local community activities for disaster prevention* by Prof. Liu (National Chinan Univ., Taiwan), *Assessment for disaster management programs in Taiwan local governments* by Prof. Mars (Ming Chuan Univ., Taiwan), *Reconstruction process from the 1995 Kobe Earthquake Disaster and Example of disaster management and disaster prevention education in a Bangladesh community* by Dr. Saito (Disaster Reduction and Human Renovation Institution, Japan), and finally Q&A for the first session. Then, the second session started after a short break. Four talks were presented: *Lessons from the tsunami catastrophe in the Tohoku Earthquake for disaster reduction* by Prof. Mas (Tohoku Univ., Japan); *Research needs for efficient quick recovery from earthquake* by Prof. Lavan (Technion-Israel Institute of Technology, Israel); *Control of chemical pollution caused by natural disasters* by Prof. Cruz (Kyoto Univ., Japan); and *Architectural viewpoint in evacuation and reconstruction facilities* by Prof. Furuya (Waseda Univ., Japan). Each session’s Q&A had meaningful discussions related to disaster prevention and reduction among the speakers and approximately 60 audience members. Finally, Prof. Komatsu (Chair, WFEO-Committee on DRM) performed closing remarks and announced the World Engineering Conference and Convention 2015, which will be held in Kyoto (Japan) for engineers all over the world.

The proceedings that the symposium committee published can be downloaded from http://www.wfeo.net/stc_disaster_risk_management_meetings/.

(Note) The WFEO (a professional group for engineering) has a world-wide mission to provide

solutions for poverty problems and for sustainable development in stable social infrastructure and economics through appropriate technology and innovation; The Committee on DRM (CDRM) is a standing technical committee of the WFEO and working for disaster risk management; and Er is the honorific title of Engineer.

Photos:



Audiences



Q&A



Group photo

The 8th Joint International Symposium on Disaster Risk Management

- - Education for Disaster Prevention, Reconstruction from Kobe Earthquake Disaster,
and Adaptation Plan under Climate Change - -

Organized by: Japan Federation of Engineering Societies,
Japan Society of Civil Engineers,
Architectural Institute of Japan, and
World Federation of Engineering
Organizations

Supported by: Science Council of Japan

Date and Time: Sat., Sept. 13, 2014, 08:40–12:30

Venue: C1-301, Faculty of Engineering, Kobe University

Language: English (No simultaneous translation)



Program

08:40 **Opening Remarks**

08:50 **Session Part I**

- I-1. "Disaster Management – India's Experience",
by Er. **Ashok Kumar Basa** (Institution of Engineers, India)
- I-2. "Community Based Disaster Prevention: Take Taipei Wan-mei Community as
an example",
by Dr. **Chianan Liu** (National Chi-Nan Univ., Taiwan)
- I-3. "A Review on the Program of Disaster Management Capacity Building for Local
Government in Taiwan from 2009-2014",
by Dr. **Sawyer Mars** (Ming Chuan Univ., Taiwan)
- I-4. "Enhancing Community Resilience through Community Disaster Education",
by Dr. **Yoko Saito** (Disaster Reduction & Human Renovation Institution, Japan)

10:30-10:40 **Break**

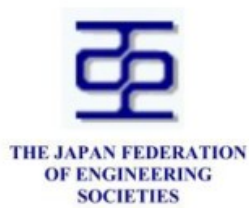
10:40 **Session Part II**

- II-5. "Lessons from Recent Disaster Events to Enhance Tsunami Risk Reduction",
by Dr. **Erick Mas** (Tohoku Univ., Peru)
- II-6. "Research Needs for Efficient Quick Recovery from Earthquakes",
by Dr. **Oren Lavan** (Technion-Israel Institute of Technology, Israel)
- II-7. "Joint Natural and Technological Disasters: An Emerging Risk Issue",
by Dr. **Ana Maria Cruz** (Kyoto Univ., Colombia)
- II-8. "Fostering Public Awareness of Disaster Prevention, through Architectural
Designing",
by Dr. **Nobuaki Furuya** (Waseda Univ., Japan)

12:20 **Closing Remarks**

12:30 **End of the Program**

Continuance of Reference 1: Front page of the symposium proceedings



PROCEEDINGS OF THE 8TH JOINT INTERNATIONAL SYMPOSIUM ON DISASTER RISK MANAGEMENT

*- Education for Disaster Prevention, Reconstruction from Kobe Earthquake Disaster,
and Adaptation Plan under Climate Change -*



THE SCIENCE COUNCIL OF JAPAN

September 13, 2014
Faculty of Engineering, Kobe University,
Hyogo, JAPAN

Abbreviations

AIJ	= Architectural Institute of Japan
CBNDRM	= Capacity Building for Natural Disaster Risk Management (subcommittee of CDRM)
DRM	= Disaster Risk Management
DRRR	= Disaster Risk Reduction and Resilience
Eng.	= honorific title of Engineer
Er.	= honorific title of Engineer
EQDRM	= EarthQuake-related Disaster Risk Management (subcommittee of CDRM)
Ing.	= Ingenieur (French), Ingeniero (Spanish), honorific title of Engineer
IIIRR	= International Institute for Infrastructure Renewal and Reconstruction
IMC-WFEO	= Indian Member Committee of WFEO for the institute of Engineers
IRDR	= Integrated Research on Disaster Risk
JFES	= Japan Federation of Engineering Societies
JSCE	= Japan Society of Civil Engineers
NM	= National Member
OECD	= Organization for Economic Co-operation and Development
Rio+20	= the short name for the United Nations Conference on Sustainable Development which took place in Rio de Janeiro, Brazil in June 2012 – twenty years after the landmark 1992 Earth Summit in Rio
SCJ	= Science Council of Japan
SDGs	= Sustainable Development Goals
UNISDR	= United Nations International Strategy for Disaster Reduction
UNESCO	= United Nations Educational, Scientific, and Cultural Organization
WCDRR	= World Conference on Disaster Risk Reduction, the 3rd conference in 2015 March, held in Sendai, Japan.
WDRM	= Water-related Disaster Risk Management (subcommittee of CDRM)
WECC2015	= World Engineering Conference and Convention in 2015, held in Kyoto, Japan