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**1<sup>st</sup> CONVEEESH**  
**INTERNATIONAL CONFERENCE ON ENGINEERING,  
ENVIRONMENT, ECONOMIC, SAFETY & HEALTH**  
**&**  
**10<sup>th</sup> SENVAR**  
**INTERNATIONAL SEMINAR ON  
ENVIRONMENT & ARCHITECTURE**  
**SCIENCE & ENGINEERING FOR BETTER LIFE**  
**26 – 27 OCTOBER 2009**  
**MANADO, INDONESIA**

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■ **ORGANIZED BY:**

*Faculty of Engineering, Universitas Sam Ratulangi, Manado in Indonesia at the celebration of 45<sup>th</sup> Anniversary of Establishing the Faculty of Engineering*

■ **AIMS:**

*Sustainable development is one the key issues for modern society and requiring new ideas to advance the technologies and strategies currently in use. The main fields, which are the focus of many research efforts, are engineering, ecosystems, planning sustainability and many others. These and others aspects are the focus of the presentation and discussions that will be carrying out at the Conference.*

*The way in which our society exists, operates and develops is strongly influenced by the way in which sustainable development is applied and implemented. No function in sustainable development can be created without sufficient knowledge, and without sustainable development there can be no innovation on which the*

*existence of modern society depends. However, this international Conference will focus on topics related to Sustainable Development in Engineering, Ecology, Ecosystems, Economics and Planning.*

■ **CONFERENCE TOPICS:**

**ARCHITECTURE**

- Indoor Comfort (Thermal, Light, Sound)
- Green Building/ Green Architecture
- Traditional & Vernacular Architecture
- Energy Efficient Architecture
- Waterfront Architecture/ Coastal Architecture
- Healthy & Convenience Living Space
- Smart Building
- Bioclimatic Architecture
- Role of Architectural Education in Sustainable Development

**TOWN PLANNING, HOUSING & REGION DEVELOPMENT**

- Ecological Coastal Planning
- Disaster Management

- *Energy Efficient City*
- *Low-Cost & Healthy Housing*
- *Landscape & Townscape for Urban Sustainability*
- *Traditional Settlement & Cultural Heritage*
- *Rural Development*
- *Tourism Management*
- *Outdoor Comfort*

**CIVIL ENGINEERING & INFRASTRUCTURE**

- *Coastal Engineering*
- *Ecological Construction Material*
- *Construction Management & Work Safety*
- *River Management & Engineering*
- *Urban Electricity & Telecommunication System*
- *Urban Fire Safety Management*
- *Urban Drainage Engineering*
- *Traffic Management & Safety*
- *Road Engineering*
- *GIS, Remote sensing & Geo-mapping*
- *Soil science, Geotechnical & Underground Construction*

**ENVIRONMENTAL SCIENCE & PUBLIC HEALTH**

- *Governmental Policy in Climate Change & Global Warming*
- *Waste Management (re-use, reduction & recycling)*
- *Pollution Control Technology*
- *Urban Pollution & Health effects*
- *Environmental Education*
- *Environmental Impact Assessment Models*
- *Ecosystems analysis, Ecotoxicology and protection for the living environment*
- *Environmental economics*
- *Ecosystems analysis, Ecotoxicology and protection for the living environment*
- *Environmental economics*
- *Environmental Management, Restoration & Legislation*

**MECHANICAL ENGINEERING**

- *Ergonomics /Biomechanics*
- *Renewable Energy*
- *Automatic/ Robotic*
- *Energy Conversion Technology*
- *Refrigeration & Air Conditioning*
- *Industrial Management & Processing*
- *Applied Computational Fluid Dynamics (CFD)*
- *Material Properties & Durability*

**ELECTRICAL ENGINEERING**

- *Hydro electric technology*
- *Photovoltaic Technology*
- *Expert System*
- *Lighting Technology*
- *Electricity Forecasting*

- *System Stability, Analysis & Protection*
- *Power Plants technology & management*
- *Economic Evaluation of Power Systems and Utilities*
- *Informatics Technology*

■ **CONFERENCE COMMITTEE:**

■ **CONFERENCE ADVISOR:**

- *Professor Dr. Ir. Ellen J. Kumaat, Dean of Faculty of Engineering, Sam Ratulangi University, Manado.*

■ **ORGANIZING COMMITTEE:**

- *Professor Dr. Sangkertadi, Faculty of Engineering, Sam Ratulangi University,*
- *Prof. Dr. Doddy Sumajouw, Faculty of Engineering, Sam Ratulangi University,*
- *Dr. Linda Tondobala, Faculty of Engineering, Sam Ratulangi University*
- *Dr. Aristotulus E. Tungka, Faculty of Engineering, Sam Ratulangi University,*
- *Dr. Steenie Wallah, Faculty of Engineering, Sam Ratulangi University,*
- *Dr. Veronica Kumurur, Faculty of Engineering, Sam Ratulangi University,*
- *Dr. Tiny Mananoma, Faculty of Engineering, Sam Ratulangi University, Manado,*
- *Cynthia Wuisang, M.Sc, Faculty of Engineering, Sam Ratulangi University*
- *S T Gideon Kaunang, M.Eng, Faculty of Engineering, Sam Ratulangi University*
- *Kenny Lempoy, M.Eng, Faculty of Engineering, Sam Ratulangi University*

■ **TECHNICAL CONFERENCE CHAIR:**

- *Dr. Abdelnaser Omran Al Amroni, School of Housing, Building and Planning, Universiti Sains Malaysia.*

■ **INTERNATIONAL SCIENTIFIC COMMITTEE MEMBERS:**

- *Professor Ir. Dr. Mahyuddin Ramli, School of Housing, Building and Planning, Universiti Sains Malaysia, Malaysia.*
- *Professor Dr. Hamidi Abdul Aziz, Environmental Engineering, School of Civil Engineering, Universiti Sains Malaysia, Malaysia.*

□ Professor Dr. Mariana Gavrilescu, Chemical and Environmental Engineering, "Gheorghe Asachi" Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection, Department of Environmental Engineering and Management, Iasi, Romania.

□ Professor Dr. Abdullah Mahmood, Project Management, College of Planning and Architecture, King Saud University, Saudi Arabia.

□ Associate Professor Dr. Said Mohammed Al Abidi, Dental Science and Materials, Faculty of Medicine, Department of Dental, Garyounis University, Libya.

□ Associate Professor Dr. Claudiu Chiru, Computer Sciences, University Spiru Haret, Costanta, Romania.

□ Professor Dr. Ismail Said, Dep. Of Landscape Architecture, Faculty of Built Environment, Universiti Teknologi Malaysia, Skudai, Johor, Malaysia

□ Dr. Odile Schwarz-Herion, MBA, Sustainable Development Consultant, Germany

□ Dr. Julijana SILJANUSKA, Faculty of Administration and Management Information System, University of "St. Kliment Ohridski" – Bitola, Republic of Macedonia.

□ Associate Professor Dr. Julaihi bin Wahid, School of Housing, Building and Planning, Universiti Sains Malaysia.

□ Associate Professor Dr. KISS Imre, University Polytechnic Timisoara, Faculty of Engineering Hunedoara, Department of Engineering and Management, Romania.

□ Prof. Dr. RM. Soegijanto, Bandung Institute of Technology (ITB), Bandung, Indonesia.

□ Prof. Dr. H.M. Ramli Rahim, Hasanuddin University, Makassar, Indonesia.

□ Prof. Dr. Prasasto Satwiko, Atma Jaya Christian University, Yogyakarta, Indonesia.

□ Prof. Dr. Tri Harso Karyono, BPPT/Tarumanagara University, Indonesia

□ Dr. Ing. Eka Setiadi Rasyad, Department of Architecture, Trisakti University, Jakarta, Indonesia.

□ Dr. Egor Sidorov, Jan Evangelista Purkyne University, Usti nad Labem, Czech Republic.

□ Associate Professor Dr. Maczej GORA, Faculty of Chemistry, Department of Organic Chemistry, Jagiellonian University, Kraków, Poland.

□ Professor Dr. Elena Druica, Department of Economics, Faculty of Administration and Business, University of Bucharest, Romania.

□ Dr. Violaine Mijno, Laboratoire de Géologie HydrASA, Limoges Cedex, France.

□ Dr. Abdelhaq Kabbabi, Centre for Studies and Research Mineral Phosphate, Casablanca, Morocco.

□ Assoc. Prof. Dr. Giovanni Dotelli, Department of Chemistry and Chemical Engineering "G. INSTM R.U. – Polimi, Politecnico di Milano, Milano Italy.

□ Prof. Dr. Mohd. Hamdan Ahmad, Dept. of Architecture, Faculty of Built Environment, Universiti Teknologi Malaysia (UTM) Skudai, Johor, Malaysia

#### ■ **IMPORTANT DATES:**

Deadline for Abstract submission 20 Aug 2009  
Reply to Authors for Abstracts acceptance 31 Aug 2009

Full paper submission 10 Sep 2009

Reply to Authors with reviewer's comments 20 Sep 2009

Final paper submission 30 Sep 2009

Conference date 26-27 Oct 2009

#### ■ **INSTRUCTION TO AUTHOR:**

An abstract should consist of 250-300 words, and the author should state the objective, theoretical framework, methodology, data sources, results, and applications in his/her paper.

Please write your name (s), affiliation (s), address (es), phone, fax, e-mail address at the end of the page.

Full Papers of not more than 14 pages, singled spaced with Times New Roman Font 10 (2.5 cm all margins) should reach the Technical Conference Chair not later than 10, September 2009. All the papers presented at the conference will appear in the proceedings. CD-ROM and abstracts will be distributed to the conference participants.

#### ■ **BENEFITS OF ATTENDING:**

The conference will be of interest to planners, environmentalists, engineers, architects, ecologist, economists, policy makers and other governmental officials, researchers and academics involved in the field of the sustainability. However, attending this conference will benefit you as follows:

- ✚ *Keep up to date with the latest advances in the field.*
- ✚ *Present your research within a unique forum.*
- ✚ *Collaborate with experts from around the world.*
- ✚ *Your conference paper will be reviewed by members of the committee and other colleagues and best quality of the papers will be selected for publication in the JOURNAL OF ARCHITECTURAL, SCIENCE, URBAN SETTLEMENT AND ENVIRONMENT, ISSN 1858-1137. Dr. Aristotulus E. Tunga ([matrasain@yahoo.com](mailto:matrasain@yahoo.com)), the EDITOR-IN-CHIEF, will be in charge of the communication with the members of the international Scientific Committee and authors.*
- ✚ *Participants who presented papers at **CONVEESH'09** conference will be considered for waiving their fees in the upcoming events of **CONVEESH' 2011**.*

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■ **SECRETARIAT:**

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FAKULTAS TEKNIK,  
UNIVERSITAS SAM RATULANGI,  
JALAN KAMPUS, BAHU, MANADO 95115, INDONESIA

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■ **SUBMISSION:**

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*An abstract should consist of 250-300 words, and the author should state the objective, theoretical framework, methodology, data sources, results, and applications in his/her paper. Please write your name (s), affiliation (s), address (es), phone, fax, e-mail address at the end of the page.*

*Full Papers of not more than 12 pages, singled spaced with Times New Roman Font should reach the Technical Conference Chair not later than 10, September 2009. All the papers presented at the conference will appear in the proceedings. CD-ROM and abstracts will be distributed to the conference participants.*

*All professionals, environmentalists, researchers, and policy makers involved or interested in the area of the conference are invited to present papers relating to the conference topics. Authors are requested to submit abstracts, preferably by e-mail as a Word File attachment to the Technical Conference Chair (E-mail: [naser\\_elamroni@yahoo.co.uk](mailto:naser_elamroni@yahoo.co.uk)), by not later than August 20, 2009.*