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- **Prof. Dr. Muhammed Alamgir**
Khulna University of Engineering & Technology, Bangladesh
- **Prof. Dr. Werner Bidlingmaier**
ORBIT Group
- **Prof. Dr. Raffaello Cossu**
University of Padova, Italy
- **Dr. Luiz F. Diaz**
International Waste Working Group (IWWG)
- **Prof. Dr. Eckhard Kraft**
Bauhaus University Weimar, Germany

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Scientific Committee

It consists of more than 25 members from various countries around the world working in the field of Solid Waste Management.

Brief Accounts of the Organizing Institutes

Khulna University of Engineering & Technology (KUET), Bangladesh established in 1967 as Khulna Engineering College starts its journey in 3 June 1974, later converted to an autonomous institution called Bangladesh Institute of Technology (BIT), Khulna in July 1986. The Institute was upgraded and renamed as KUET in September 2003. Presently, it comprises 12 Departments including major branches of Engineering and sciences offering both the undergraduate and postgraduate degrees, with 665 fresh UG and about 100 PG students in each year. The university is aimed to take the leadership in promoting technological developments and management of the nation by strengthening engineering and technological education and research.

Bauhaus-Universität Weimar (BUW), Germany is a university for creative studies in Weimar can be traced back to 19th century. Born as an Art School in 1860 by Grand Duke Carl Alexander, after the World War II, it turned into a modern university coupled with art and engineering in 1954. Since 1993 it has hosted the European Summer Academy. Bauhaus University is historically focused on civil engineering, media and architectural studies. Solid waste engineering is one of the newest civil engineering disciplines. The department of waste management was founded in 1993. It has more than 30 degree programmes in four Faculties with 6,000 students from home and abroad.

University of Padova, Italy is located in Padova a historical town in the north of Italy, was founded in 1222. It is among the earliest of the universities and the second oldest in Italy. With more than 2,300 teaching staff, the University of Padova enrolls around 11,000 new students each year and has more than 66,000 students and in 2009 it was nominated as "Best University" among Italian institutions of higher education with more than 40,000 students. The modern-day University of Padova plays an important role in academic and scientific research at international level. True to its origins, the University has established closer and closer links of co-operations and exchange with major research university worldwide.

International Waste Working Group (IWWG) is an international waste organization founded in 2002 to provide an intellectual platform to encourage and support integrated and sustainable waste management and to promote practical scientific development. IWWG is a non-profit organization, managed by a Board and assisted by an International Scientific Advisory Committee. Waste Management, a journal published by Elsevier is the official voice of IWWG. IWWG regularly organizes International Conferences, Seminars, Workshops and Training on waste management and also Co-sponsorships such activities and to form Task Groups and produces Monographs & Textbooks.

The International Organization of Organic Recovery & Biological Treatment (ORBIT Group) was formed in 1999 as a non-profit association under the laws of the Federal Republic of Germany. The mission of the ORBIT is to promote the scientific and technological development of environmental biotechnology. ORBIT successfully conducted Biennial International Conference in different countries since 1997. Other activities of ORBIT are workshops, training, exhibitions, special events, production of publication, establishment of worldwide network such as European Compost Network (ECN), Biowaste Networks Worldwide.



Main Entrance of KUET, Khulna, the host institute of WasteSafe 2013

Venue of the Conference

The International Conference on Solid Waste Management will be held at the Department of Civil Engineering, Khulna University of Engineering & Technology (KUET), Khulna, Bangladesh. The university campus extends over an area of 101 acres and is located about 12km far from city center. The campus is tastefully laid out with beautiful plantation and with buildings of various nature and stature, clean and wide roads. The campus presents a spectacle of harmony in architecture and natural beauty.

Conference Secretariat

WasteSafe 2013
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Khulna University of Engineering & Technology (KUET)
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1st Announcement

Call for Papers WasteSafe 2013 3rd International Conference on Solid Waste Management in Developing Countries



10-12 February 2013
Khulna, Bangladesh

Jointly Organized by



Khulna University of Engineering & Technology, Bangladesh



Bauhaus Universität Weimar, Germany



University of Padova, Italy



International Waste Working Group



ORBIT Group

www.wastesafe.info

WasteSafe 2013

Wastes are normally solids, useless and unwanted. However, many of these materials can be reused, recycled and thus they can become a resource for soil conditioner, industrial production or energy generation, if managed and treated properly. Rapid growth of population, urbanization and industrialization poses sharp increase of waste generation and the dramatical change of waste nature. Due to organizational limitations, lack of people's awareness, motivation & Commitment, absence of appropriate management, financial & resource constraints, ineffectiveness of legislation and law enforcement, wastes remain unmanaged and posed threat to human and nature, especially in the Developing Countries. To address this most striking social and environmental issue Khulna University of Engineering & Technology (KUET) has taken several initiatives in the past since 2002. In this footsteps, to exchange the views and experiences at both the national and international levels and to understand the solid waste management (SWM) concept, modern technologies, sustainability of the system as a whole, **WasteSafe 2009**, the 1st International Conference and **WasteSafe 2011**, the 2nd International Conference on Solid Waste Management in Developing Countries, were organized successfully in 9-10 Nov. 2009 and the 13-15 February 2011, respectively at Khulna. The success of the event encouraged the organizer to continue such activities in Bangladesh in every odd year in the month of February. To this endeavor, the **3rd International Conference on SWM in Developing Countries, WasteSafe 2013**, on 10-12 February 2013, is jointly organized by

- Khulna University of Engg. & Technology, Bangladesh
- Bauhaus Universität Weimer, Germany
- University of Padova, Italy
- International Waste Working Group (IWWG)
- ORBIT Group

It is expected that the researchers and professionals will unfold their latest findings and experiences in this forum in order to provide the necessary guidelines.

Heartiest thanks to all organizations and/or individuals for rendering cooperation to accomplish this Conference in Khulna. **WasteSafe 2013** welcomes all of you at Khulna and promise to have an interesting programme and many stimulating discussions in an environment of traditional and simple Bengali hospitality. Hope this event will able to mark success and continue in every odd year.



Part of participants of WasteSafe 2011 International Conference, Khulna

Conference Theme

- Waste Generation, Composition and Characterization
- Storage, Separation, Collection and Transfer
- Recycling, Treatment and Disposal System
- Composting and Sustainable Landfill
- Community Participation, Awareness and Education
- Role of NGOs, CBOs and Private Sector
- Socio-economical and Environmental Aspects
- Technology Assessment and Dissemination
- Climate change and Clean Development Mechanism
- Policies, Regulations and Enforcement
- Strategy, Planning and Sustainable Management

Important Dates

- Abstract Submission Deadline : May 31, 2012
- Abstract Acceptance Notification : July 31, 2012
- Full Paper Submission Deadline : September 30, 2012
- Paper Acceptance Notification : October 31, 2012
- Registration Deadline : December 15, 2012
- Conference Dates : 10-12 February, 2013

Call for Abstracts & Papers

Abstracts and Papers are invited for the conference from academicians, researchers, scientists, professionals and social workers interested in the field of wastes management. Abstracts and Manuscripts of the papers should be prepared as per the guidelines available in the conference website. The write-up must be clear in its objective & conclusion. Accepted papers will be published in two pages Executive Summary only if at least one author registers and/ or takes part in the conference. Full papers will be available in the accompanied CD-ROM in PDF format.

Official Language

The official language of the conference is English. So, all the information written in the paper should be in English.

Submission of Abstracts, Ex. Summary and Full Papers

An ABSTRACT (one page single spaced A4 white bond paper using MS word leaving margins of 25 mm on all sides, typed in Arial 11 pt) should reach to the Conference Secretariat through e-mail as an attached file no later than **May 31, 2012**. Abstract must show the full title of the paper, name, affiliation, e-mail address and full mailing address of all the author(s). Total length of the FULL PAPER should be in even number of pages including figures, tables etc. The manuscript of the selected paper needs to submit via e-mail to the Conference Secretariat in the prescribed format no later than **September 30, 2012** including 2 pages EXECUTIVE SUMMARY of the paper which will be published during the conference.

Guidelines for the Preparation of Ex. Summary & Full Paper

The guidelines for the preparation of Abstract, Executive Summary and Full Paper are available in the conference website, <http://www.wastesafe.info>. Author(s) should strictly follow the guidelines; otherwise the paper may not be reviewed.



Conference Fees and Registration

To participate in the conference, registration is mandatory paying the conference fee as stated below. The conference fees include participation in all events of the conference days, proceedings containing two pages of Executive Summary and CD-ROM of Full papers in PDF format, kits, refreshments during tea break, lunches, welcome party and conference dinner. It is highly expected that the participants will make the registration within the deadline.

The Registration Deadline is December 15, 2012.

Conference Fees:

- Developed Country Participant : 250 Euro (350 US\$)
- Developing Country Participant : 110 Euro (150 US\$)
- International Student : 70 Euro (100 US\$)
- Local Participant : BDT 3000
- Local Student Participant : BDT 1500

Please make a registration and payment using the information given in the website by December 15, 2012. The conference fee can be paid from October 15, 2012. It is free of VAT, so no need to add VAT.

Cancellation Policy

Cancellation of the registration for the conference will be possible until January 25, 2013. Payments will be refunded, except for a charge of US\$50, US\$25 and BDT500 for the participants of Developed, Developing countries and Local, respectively.

Travel & Accommodation

All delegates are expected to make their own travel and accommodation arrangements. Participants can travel Khulna either by plane or bus. There are two regular flights (morning & evening) connect the Hazrat Shahjalal International Airport of Dhaka to Jessore Airport (35 mins.). The Airlines Bus services are available to transfer the passenger from Jessore Airport to Khulna. Participants can also travel Khulna directly from Dhaka by bus (7 to 8 hrs.). More information regarding the travel and accommodation (Hotel type, prices etc.) will be available at the conference official website. Participants requiring assistance on accommodation and travel are requested to contact the Conference Secretariat.

General Information

During February the maximum and minimum temperature of Khulna is about 15°C and 27°C, respectively, and the humidity varies from 55% to 60%, with bright sunny days. The average rainfall during this time is about 15 mm. The voltage of electricity throughout Bangladesh is 220 volts.

Site Seeing

Sundarbans Trip: 3 days tour (13-15 Feb. 2013) will be arranged for the interested participants. However for this trip at least 20 participants are required. Relevant cost and information are given in the Conference website. Mongla, Bagherhat & Rupsha Trip: One day (13 February, 2013) tour will be arranged for the interested participants (Mongla Seaport, Bagherhat Sixty Domes Mosque, Khan Jahan Ali Mazar and Rupsha bridge).



Shaheed Minar, Commemorates the Sacrifice for Bengali language in 1952

Host Country of the Conference - Bangladesh

Bangladesh became independent in the year of 1971 at the sacrifice of lives of 3 million people, is located North-Eastern part of South Asian subcontinent between latitudes 20°34' and 26°38' North and longitudes 88°01' and 92°41' East. It is one of the world largest Deltas of the three mighty rivers, the Ganges, the Brahmaputra and the Meghna and densely populated country with an area of 147,570 sqkm and 162,221,000 population. Having world's most fertile agricultural land, it inherits enormous beauty, hundreds of serpentine rivers, surrounded by ever green hills, luxuriant tropical rain forests, beautiful cascades of green tea gardens, the world's longest sandy sea beach - Cox's Bazar and the world's largest mangroves forest - Sundarbans. The majestic Himalayas stand some distance to the north while the Bay of Bengal lies in the south. The territory comprising Bangladesh was inhabited by the Proto-Australoids, and the Proto-Mongoloids later mingled by the Dravidians, Aryans and Mongolians. It has a tropical monsoon type climate, with a hot and rainy summer and a pronounced dry and sunny season in the cooler months. Bangladesh has a rich, diverse culture; its deep rooted heritage is thoroughly reflected in its architecture, multifaceted folks like tales, myths, terracotta, legends riddles etc., dance, music and clothing. The three primary religions - Islam, Hinduism and Buddhism of Bangladesh have a great influence on its culture and history. People of Bangladesh are generous and hospitable by nature and lead a simple life with peace, harmony and happiness.

Host City of the Conference - Khulna

Khulna, the third biggest city of Bangladesh and the divisional headquarter, started its journey as a municipality in 1884. The city is located in the South-Western part of Bangladesh about 333 km from Dhaka and stands on a natural levee of the Rupsa and Bhairab rivers. Khulna is just 2.15m above the mean sea level having Sundarbans and the Bay of Bengal at the south. It is the gateway of Mongla sea port. Khulna is well connected to Dhaka by road, rail, water and air transport. It spreads over an area of 45.85 sq.km with the inhabitants of about 1.1 million. In this city people from diverse religions live historically in a great harmony. It is flourished with culture, heritage and nature with lot of sight seeing places. It is famous for shrimp processing and jute mills.