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DEPARTMENT OF
SCIENCE & TECHNOLOGY

Contact and Impressum

For all the matters related to Visa and funding, please contact project coordinator Malin Praktiknjo.

For all course related matters, please enquire the organisers by e-mail to igcs2019ws@gmail.com.

Organizers

IGCS Area Coordinators for Waste Management

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Prof. Dr.-Ing. Martin Kranert, Department of Waste Management and Emissions, ISWA, University of Stuttgart

IGCS Centre Coordinators

University Prof Dr BS Murty, Department of Civil Engineering, IIT Madras

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Layout and Design

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Photos

via pexels.com



IGCS Winter School 2019

Sustainable Waste Management: Municipal Solid Waste and E-Waste

How can waste be reduced and recycled in rapidly growing cities?

Indian Institute of Technology Madras, India

February 23 - March 9 2019





Objectives of the winter school

With rapid urbanization and increasing population around the world, solid waste generation is bound to increase multiple times in near future. It is essential to reduce and to manage this huge generation of waste effectively in the Future / Sustainable / Smart cities, whatever the case may be.

Electronic waste, commonly known as e-waste is another upcoming challenge which has to be dealt as technology and digitalization will be an integral part of cities at a much larger scale in future. Though most of the e-waste is recyclable, very little is actually and scientifically recycled at present.

In this winter school, we focus on how to deal with these challenges sustainably. Knowledge transfer from experts in the field to the participants of the school will be through a combination of lectures, focused team project works and field visits. This knowledge can be further used and developed by the participants in their respective areas. Participants will work in groups of up to 5 members to develop small research projects, prepare reports on their findings and present them to the supervisors for discussion. Award will be given for best project work.

The resource personnel for the Winter School include IGCS Professors and professors from IIT Madras, RWTH Aachen University, University of Stuttgart and other selected experts from India and Germany. The course participants will also have the opportunity to interact with government agencies in India and NGOs working in the area of waste management.

Participants

The course is open to Masters and Ph.D. Students in academic fields related to engineering, environmental management, waste management and sustainable development. The number of participants is limited to a maximum of 30 (15 German / 15 Indian).

Application

Interested students may apply with the following:
1. a motivation letter with contact details and (A) details of the applicant's professional and extra-curricular motivation to participate, (B) extracurricular qualifications and commitments and (C) a comment on the competence as IGCS representative
2. academic CV,
3. a letter of recommendation from the head of department / project or thesis supervisor,
4. passport details (for German students),
5. application form (found online).
Application and enclosures should be sent in one PDF file (attachment 1-4) and one excel-file (attachment 5) by e-mail to the organisers and the project coordinator Malin Praktijnjo until 18th of November 2018. Applications received after this date will not be considered.

Admission

Applications will be evaluated by the organisers. Accepted applicants will be informed by email by mid-December 2018.



Funding

The IGCS, including the schools, is part of the "A New Passage to India" initiative funded by the German Academic Exchange Service (DAAD) on behalf of the German Federal Ministry of Education and Research. German participants of the School receive a travel grant (1075 EUR) and a lump sum (325€). The Indian selected students will be reimbursed 'to and fro' 2nd class AC fare by the shortest route from their respective current address (Institute/College/University) to Chennai. Accommodation, local hospitality and local travel will also taken care by the IIT Madras.

Indo-German Centre for Sustainability

The IGCS is a joint Indo-German centre developing fundamental and applied interdisciplinary research, teaching and training, and dissemination of information in the area of sustainable development. The IGCS wishes to be one of the premier centres of excellence in the field of engineering and environmental sciences. It aims at offering cutting edge solutions in sustainable research through bilateral relations between India and Germany. IGCS is coordinated by RWTH Aachen University and IIT Madras and funded by the German Academic Exchange Service (DAAD) in the program, "A new Passage to India". Research projects are funded by DST, Government of India.