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## REGISTRATION INFORMATION

| CATEGORY   | REGISTRATION FEES | ACCOMMODATION CHARGES<br>Inclusive of Breakfast, Lunch & Dinner<br>From Dec 8th-12pm to Dec 12th-12pm | ON THE SPOT<br>REG FEES |
|--|-------------------|---|-------------------------|
| Indian Delegates -<br>Academia /<br>Institutions | Rs. 5,000         | Rs. 4,000x4=16,000 (Single Room)<br>Rs. 2,000x4=8,000 (Shared Room)                                   | Rs. 8,000               |
| Indian Delegates -<br>Industry                   | Rs. 8,000         | Rs. 6,000x4=24,000 (Single Room)<br>Rs. 3,000x4=12,000 (Shared Room)                                  | Rs. 11,000              |
| Accompanying Indian<br>Delegate                  | Rs. 5,000         | Rs. 4,000x4=16,000 (Single Room)<br>Rs. 2,000x4=8,000 (Shared Room)                                   | Rs 17,000               |
| Indian Students                                  | Rs. 3,000         | Rs. 2,000x4=8,000 (Shared Room)   | Rs. 4,000               |
| Foreign Delegates                                | US\$ 400          | US\$ 150x4=600 (Single Room)<br>US\$ 100x4=400 (Shared Room)  | US\$ 600                |
| Accompanying<br>Foreign Delegate                 | US\$ 400          | US\$ 150x4=600 (Single Room)<br>US\$ 100x4=400 (Shared Room)  | US\$ 600                |
| Foreign Students                                 | US\$ 200          | US\$ 100x4=400 (Single Room)<br>US\$ 75x4=300 (Shared Room)   | US\$ 300                |

## SPONSORS



Dept of Science & Technology  
 Ministry of Science & Technology  
 Govt of India



National Bamboo Mission  
 Dept. of Agriculture  
 Ministry of Agriculture, GOI

Ministry of Housing &  
 Urban Poverty Alleviation, GOI



Ministry of Coal, Govt of India

## TECHNICAL SUPPORT

Faculty IITD, New Delhi  
 Dept of Planning and Architecture IIT Roorkee  
 Haritha Eco Trust Andhra Pradesh



INBAR



# Summit on SUSTAINABLE HABITAT

For Mass Housing, Eco-San & Sustainable Livelihoods  
*Incorporating International Conference on (Third in the Series)*

MODERN BAMBOO STRUCTURES  
 9 – 11 December 2011, New Delhi, India



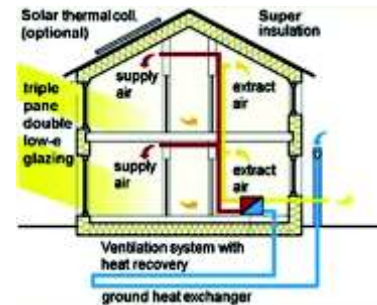
Bamboo Habitat



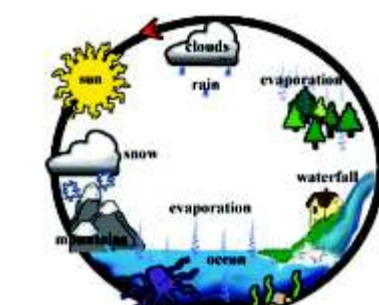
Bamboo



Eco-San



Passive Architecture



Water Recycle



Indoor Air Quality



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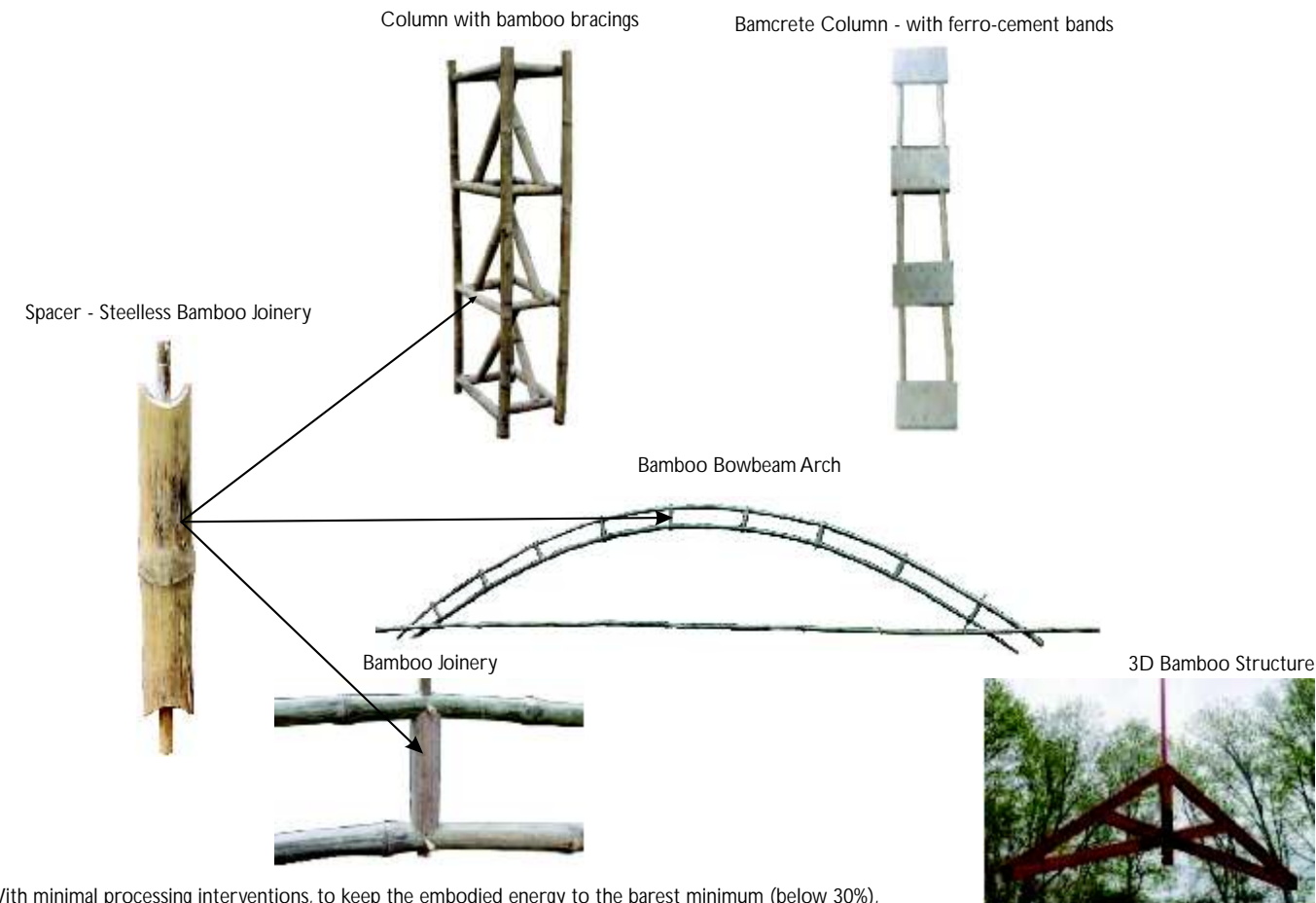
## OBJECTIVE

This third international conference in the series "MODERN BAMBOO STRUCTURES" will focus on "engineered bamboo" as one of the greenest natural construction materials available & the latest research taking place in the world. The platform thus created will be used for sensitizing academicians green builders, Central & State Government Departments and other stakeholders about the unique advantages of engineered bamboo based mass housing. Value Added Bamboo Farming & 'engineered bamboo' habitat pilot projects would be identified for implementation.

## NATURAL ROUND BAMBOO POLE

Minimally processed 'engineered bamboo structural elements' have been recently developed at Haritha Eco Trust and validated by a team of inter - disciplinary researchers at IITD. Bamboo culm or pole can itself be viewed as an excellent natural timber structural element with a cylindrical nature that is periodically reinforced with nodal plates, besides being a functionally graded light weight composite of exceptional strength. By its birth, bamboo has a negative carbon footprint. Processing should therefore be minimal, so that substantial part of the original negative carbon foot print is retained. The 'engineered bamboo timber' being used thus far, refers to conversion of natural round hollow bamboo into a three dimensional (3d) timber. The process of conversion into 3d timber involves substantial centralized mechanical processing and the use of very high carbon footprint resins and processes.

## ENGINEERED BAMBOO STRUCTURAL ELEMENTS



With minimal processing interventions, to keep the embodied energy to the barest minimum (below 30%), thereby allowing the negative carbon foot print quality of the bamboo to stay intact to a large extent.

- Bamboo-The big advantage :
- Negative carbon foot print
  - Climate change mitigation
  - Poverty eradication
  - Prevents deforestation
  - Green habitat for the masses
  - Degraded land for bamboo cultivation
  - Commercialization of agriculture

## WHO SHOULD PARTICIPATE:

- Academia / Faculty
- Bamboo Researchers / Experts
- Other Green Material Experts
- Environmental Engineers
- Civil Engineers
- Architects & Town Planners
- Green Building Professionals
- Urban Greenery & Landscaping experts
- Concerned Central & State Government Departments
- Research Students

## THEMES

- Modern Bamboo Structures
- Engineered Bamboo Structural Elements
- Value added bamboo farming (including waste land development and sustainable livelihoods)
- Urban Heat Island and Indoor Air Quality – (Sustainable Cities)
- Eco-Sanitation for Sustainable Habitat
- Climate Change – Adaption and Mitigation
- Round Table – CfSD / ISTA GOI Policy Makers Working Group Meet on Sustainability and Environment (By Invitation only)
- Cost effective test equipment for green building materials

## IMPORTANT DATES

- Abstract submission deadline - September 20<sup>th</sup>, 2011
- Acceptance communication - October 15<sup>th</sup>, 2011
- Paper submission deadline - November 10<sup>th</sup>, 2011

Please Note: Abstract should not exceed one A4 size paper. The font size should be 11 & in (arial narrow). Kindly provide 3cm margin in top, bottom, left & right of abstract. The title should have font size 14 & the name of the presenter should be in bold & underlined, giving the affiliation. The corresponding author's E mail id along with mobile contact, should also be mentioned at the end of the abstract along with affiliation. The co-author's affiliation should be mentioned at the end of the abstract. The text should follow as single space. References should be placed at the bottom.

*For any further information please contact*

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Please visit website: [www.icsh-mbsindia2011.in](http://www.icsh-mbsindia2011.in)  
For Printout of Additional Registration Forms.

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