

# *GTU INNOVATION COUNCIL*

(<http://www.gtuinnovationcouncil.ac.in/>)

## **Towards constructing a Sectoral Innovation Councils**

in

### **Energy ,Environment and Water**

Please register at [conference@gtu.edu.in](mailto:conference@gtu.edu.in)

All interested GTU Faculties and Researchers in the above field are invited. But the entry will be on First-come-first-served basis. We shall inform you by the evening of 1<sup>st</sup> October 2011 at your e-mail address, if we have the seat for you in the conference room.

**The meeting with Dr. R. R .Sonde from Thermax Engineering, Pune and Prof. Anil K.Gupta of IIM -Ahmedabad**

Time and Date: 5.30 PM on Monday, October 3, 2011

Venue: GTU Conference Room

Critical areas in Energy and Environment and Water space centric to India. E.G.

1. Small size building mounted power generating system - 1-2 kW using multiple energy sources
2. Use of very low grade thermal source for conversion into high grade energy - cooling or power
3. House waste mass - raddi paper, kitchen waste into compact energy generating systems - RDF - refused derived fuel or bio gas
4. Low powered sensors for detection of contaminants in drinking water
5. Energy storage - Thermal / chemical or battery
6. Small desalination systems - Thermal or electrical

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7. Simple activated carbon or silica gel based cooling cum desalination systems
- 8 RO waste management systems or recovery of minerals from the same.
9. Bio mass briquetting, drying
10. Optical based photo conveyance or light generating devices
11. Flexible PV cells - system for generation of low cost PV cells in roll form
12. Low temperature hydrogen - photochemical conversion
13. Algal processes for generation of bio fuels
14. Paddy straw conditioning system - cutting or baling for energy conversion system
15. Air cooled system - development of efficient heat exchangers

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E-mail – [conference@gtu.edu.in](mailto:conference@gtu.edu.in) , 07940200625