



## COMPUTER SOCIETY OF INDIA

COIMBATORE CHAPTER

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**Cordially invites you for a Seminar on**

**“ Managing Energy, Computationally ”**

**Dr. Krithi Ramamritham**

*Professor in Computer Science and Engineering  
Indian Institute of Technology, Bombay*

**“ Problem Solving through Hands on Learning ”**

**Dr. Saraswathi**

*Indian Institute of Technology, Bombay*

On Tuesday, 20th February 2018 in the CSI Hall, at 5.45 pm

High Tea - 5.30 pm

**ENTRY FREE**

### Abstract:



#### **Title: Managing Energy, Computationally**

We present a computational perspective to smart energy management, with an emphasis on smart buildings and smart electric grids. Besides computational thinking, we advocate use of data driven approaches, and techniques such as inferencing and learning, focusing specifically on improving energy efficiency. A recurring theme in our work is the exploitation of requirements/ measurement /monitoring data to drive actuation/control, optimization, and resource management. This talk should be of interest to anyone who consumes energy.



#### **Problem Solving through Hands on Learning**

We present the Robotics and Embedded systems competitions conducted by e-Yantra project to trigger the creativity in students through hands on Project Based Learning (PBL). We also address how scalable and sustainable ecosystems can be built in colleges across the country to nurture such hands on learning.