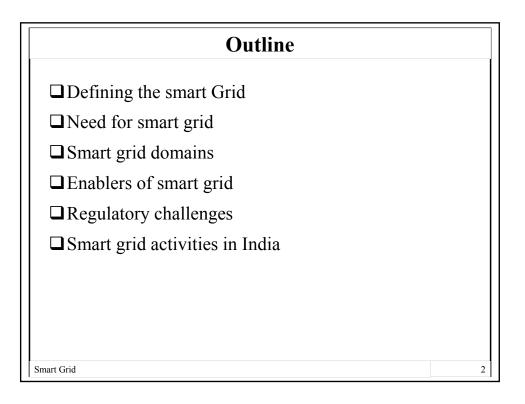
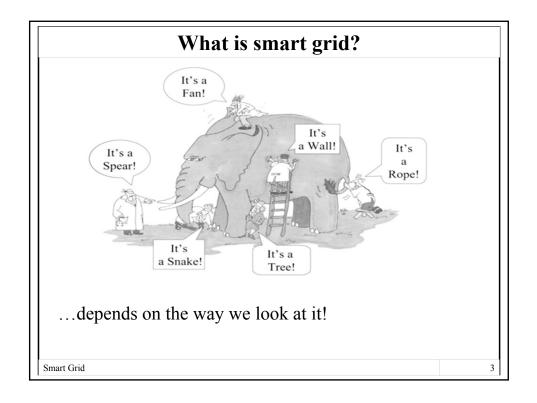
## Smart Grid: Concepts and Deployment

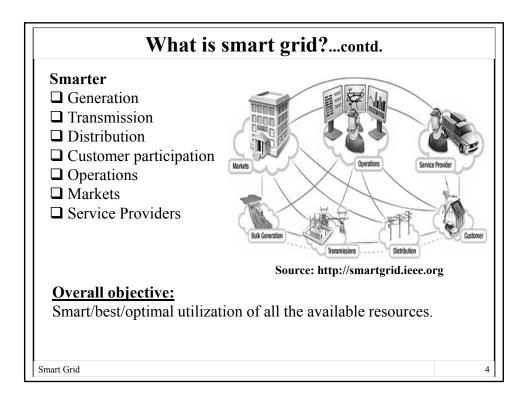
Dr. S. Chakrabarti

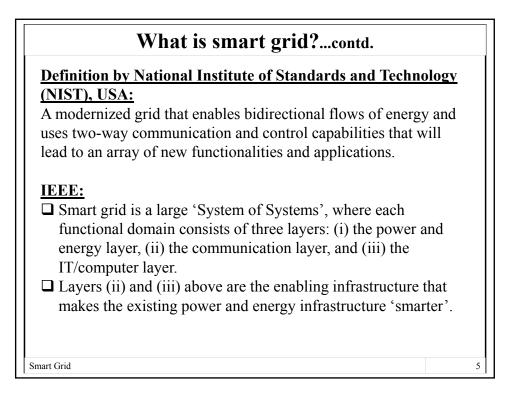
Department of Electrical Engineering IIT Kanpur email: saikatc@iitk.ac.in

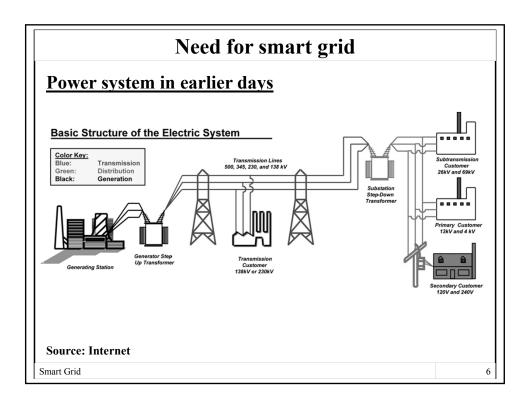
Smart Grid

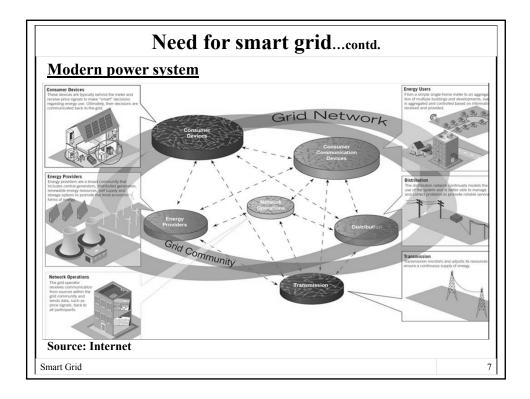


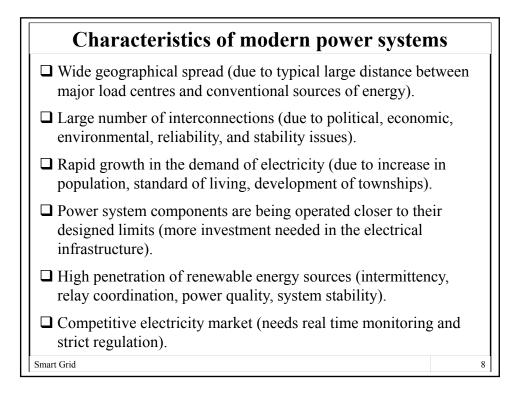


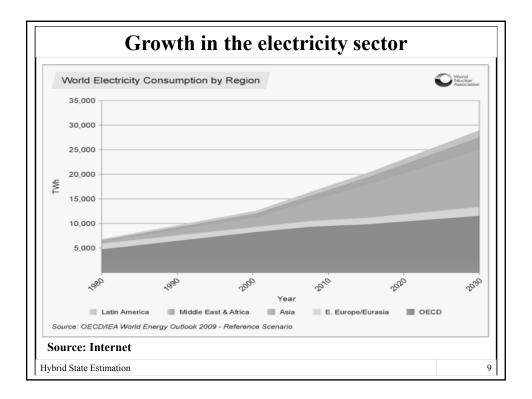


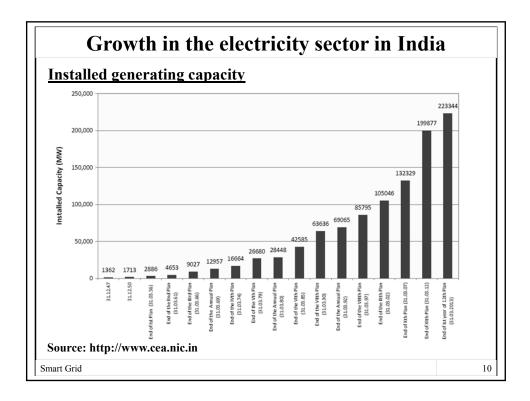


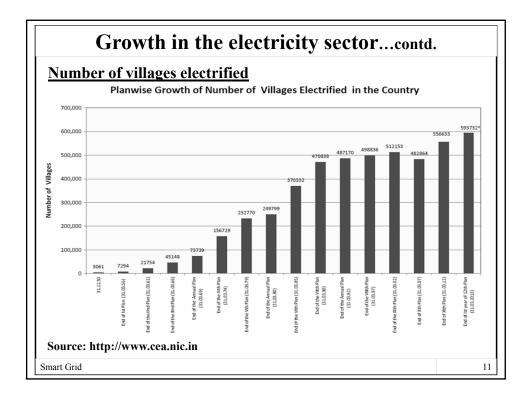


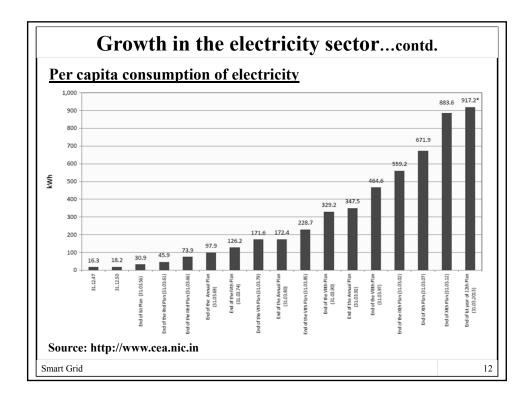


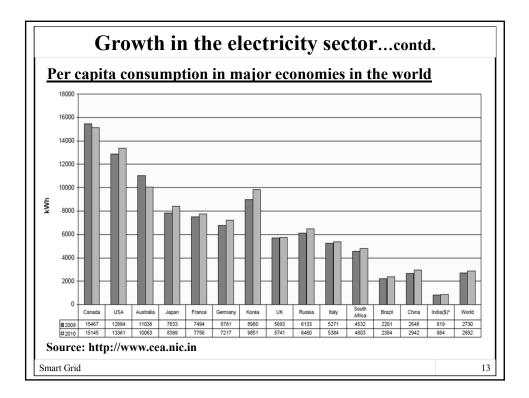


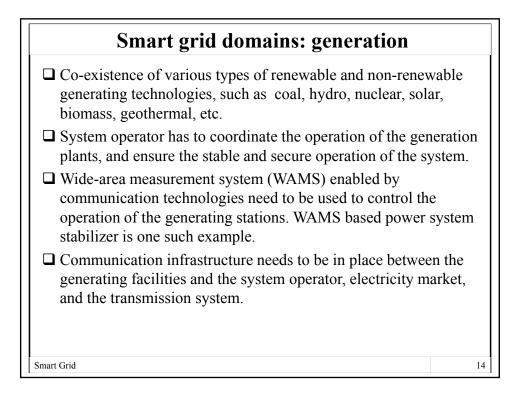


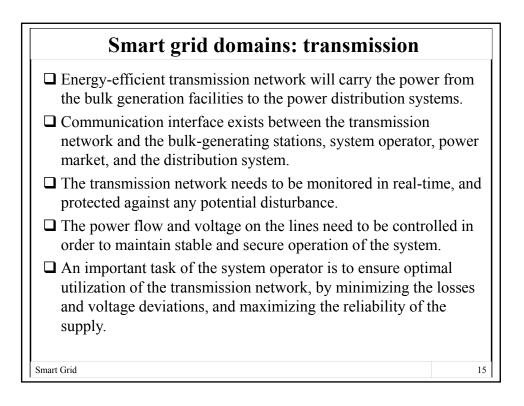


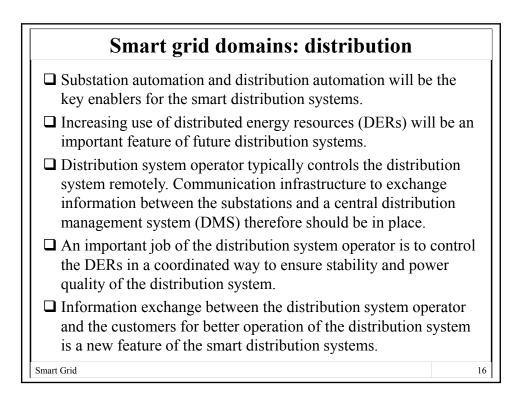


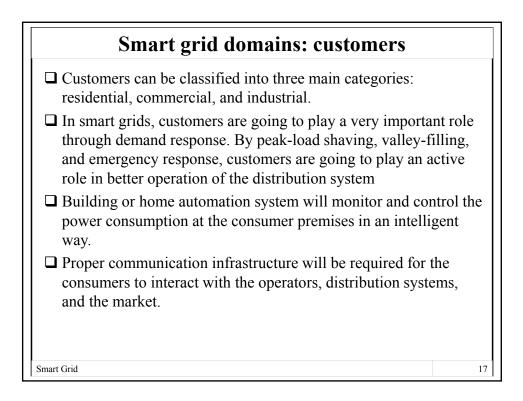


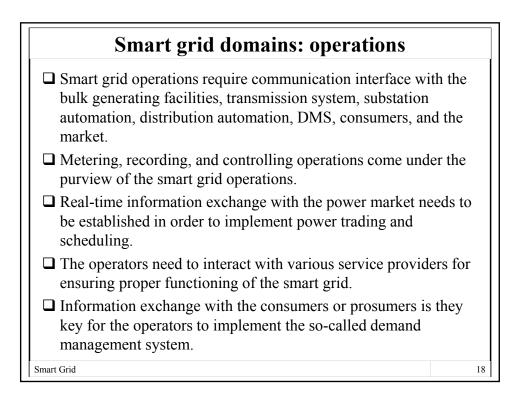


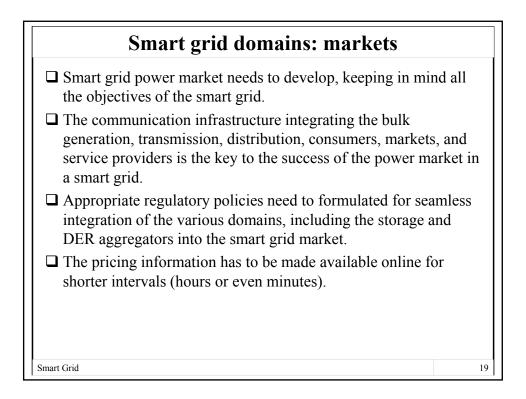


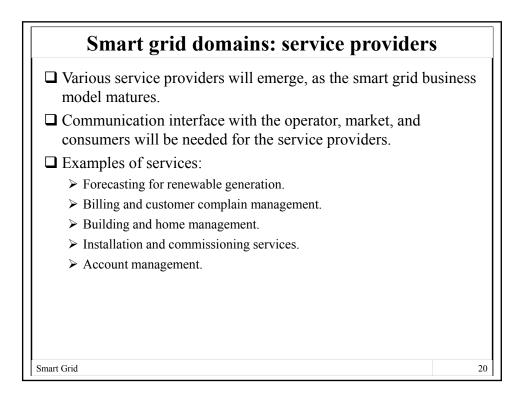


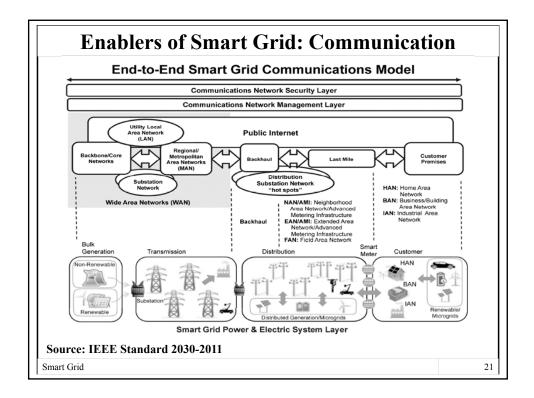


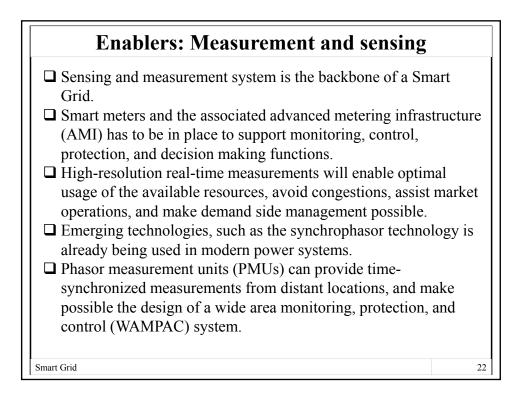


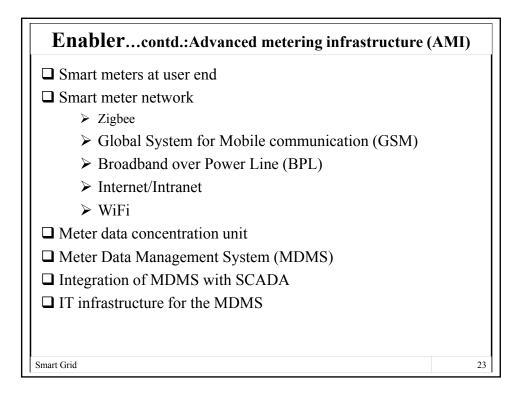


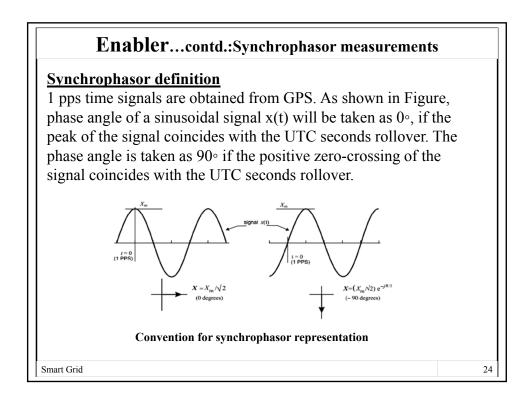


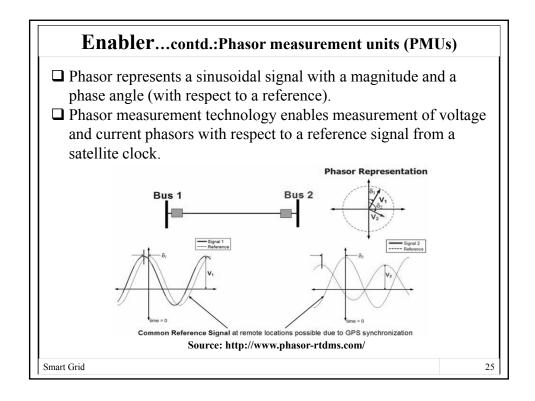


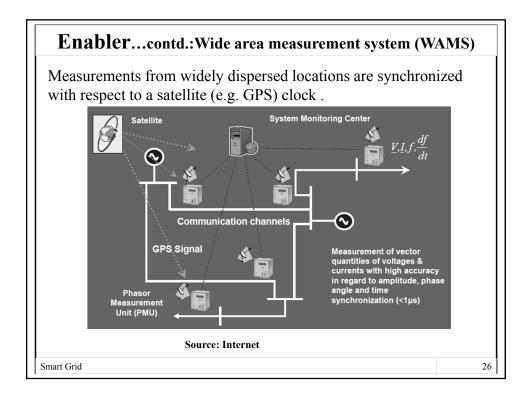


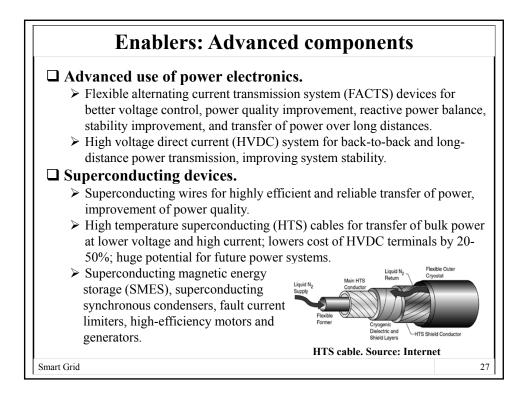


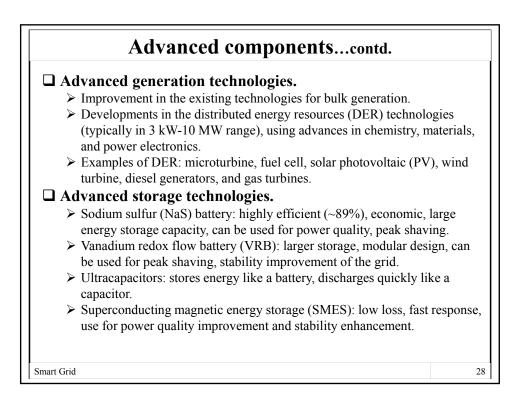


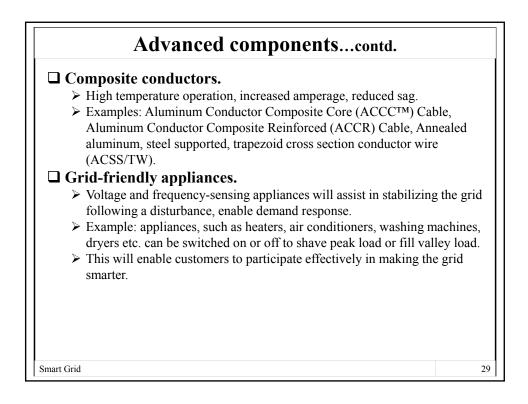


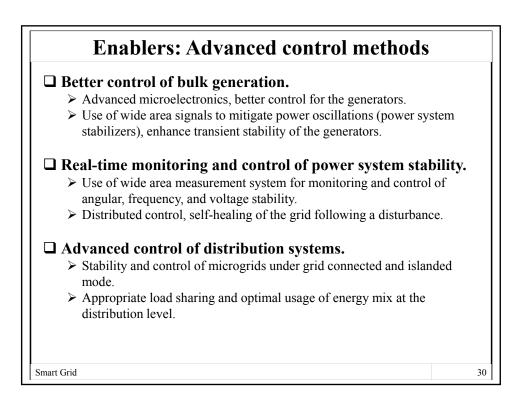


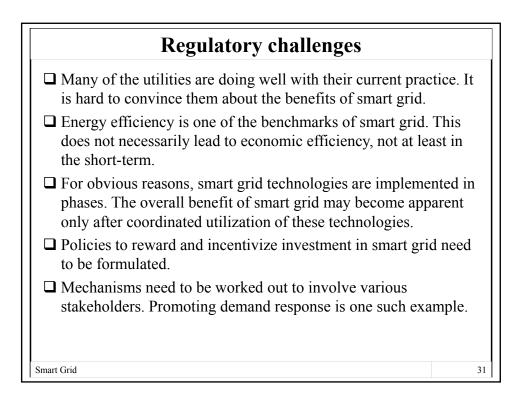


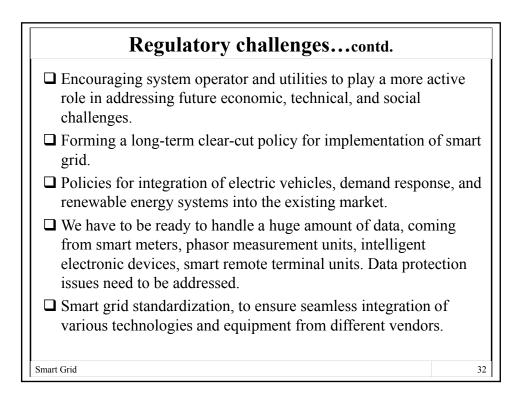


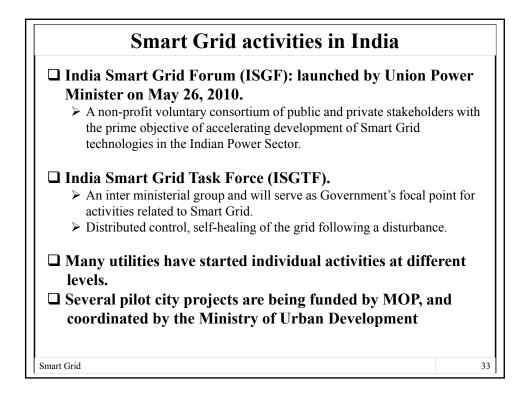


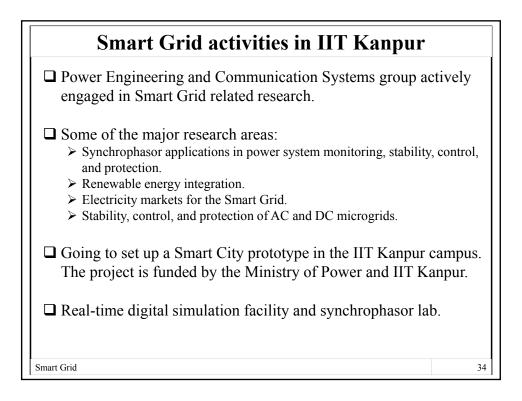


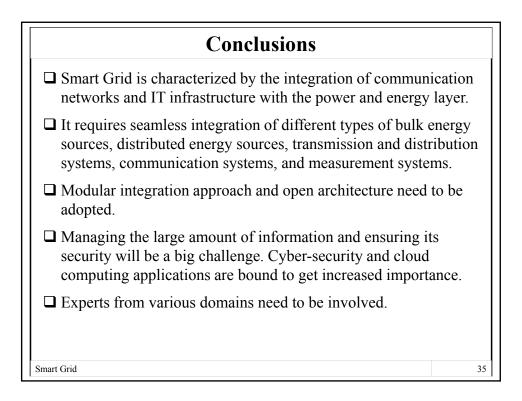












Some references	
□ http://www.electricity.doe.gov/documents/	
□ http://grouper.ieee.org/groups/scc21/	
□ http://grouper.ieee.org/groups/scc21/dr_shared/	
Unites States NIST (National Institute of Standards and Technology) Framework and Roadmap for Smart Grid Interoperatability Standards. Available online: http://www.nist.gov/smartgrid/	
□ IEC 61850 Standard for Substation Automation. Available: http://www.iec.ch/	
IEEE Std C37.118-2011 (part 1 and 2) for Synchrophasors in Power Systems	
□ IEEE Std. 2030-2011 on Interoperability	
Smart Grid	36