

Annual Thematic Symposium 2013- 'Energy Futures'



Date	Session	Time	Themes	Organization	Name of Person	Talk Title	
Friday 29 Nov 2013		9:00	Introduction	Welcome & introduction to the day: CEO - Professor Mohan Krishnamoorthy			
	E1	9:05	CO2 Sequestration/ Coal gasification	GE	Vijayalaskhmi Shah	Talk in Coal Gassification TBA	
		9:25		IIT Bombay	T. N. Singh	An investigation on carbon dioxide injection in Indian coal seams for enhanced seam gas recovery	
		9:45		Monash	Alan Chaffee	TBA	
		10:05		IIT Bombay	Manaswita Bose	Particulate Flow for Energy Application	
		10:25		Monash	Lian Zhang	Oxy-Fuel Combustion of Low-Rank Coal: Fundamentals, Development and Deployment	
		10:45		IIT Bombay	Sanjay M. Mahajani	Process Modelling of Underground Coal Gasification	
	Morning Tea: 11:05 to 11:25						
	E2	11:25	Energy Storage Materials, Fuel Cells	Ecoul	John Wood	Opportunities for Energy Storage to Improve the Bottom Line of Hybrid Diesel Energy Systems	
		11:45		Monash	Raman Singh	Emerging Monash Energy Initiative	
		12:05		IIT Bombay	Arindam Sarkar	Electrochemical oxygen reduction on "core-shell" nanoparticle catalysts: The effect of core	
		12:25		IIT Bombay	A. S. Panwar	Understanding dispersion and phase behaviour of polymer-carbon nanotube composite systems using molecular dynamics simulations	
		12:45		IIT Bombay	Arup Ranjan Bhattacharyya	Polymer Nanocomposites for Supercapacitor: Opportunities and Challenges	
		13:05		IIT Bombay	M.V. Rane	TBA	
	Lunch: 13:05 to 13:50						
	E3	13:50		IIT Bombay	Sankara Sarma V Tatiparti	Porous carbon confined Mg-Ni-C nanocomposites for on-board vehicular hydrogen storage	
		14:10		IIT Bombay	Manoj Neergat	TBA	
		14:30	Renewable Energy /Solar/ Alternative	Thermax	RR Sonde	Transition from Fossil to Renewable Energy Systems ; Imperatives for developing innovative technologies for a smooth transition	
		14:50		IIT Bombay	Shaibal K Sarkar	TBA	
		15:10		CSIRO	James Mcgregor	TBA	
		15:30		IIT Bombay	Yogendra Shastri	Robust design of lignocellulosic biomass based energy systems	
		15:50		Monash	Akshat Tanksale	Promoted Nickel Supported Catalyst for Reactive Flash Volatilisation of Cellulose to Produce Tar Free Synthesis Gas	
	Evening Tea: 16:10 to 16:30						
	E4	16:30	Renewable Energy /Solar/ Alternative Fuel/Bio Fuel	IIT Bombay	Pramod Wangikar	Metabolic flux analysis of unicellular cyanobacteria under nitrogen fixing and non-fixing mixotrophic condition	
		16:50		Monash	Sankar Bhattacharya	Cleaner Fossil Fuels Research at Monash Chemical Engineering	
		17:10		IIT Bombay	Sanjeeva Srivastava	Understanding regulatory mechanisms of microalgae and cyanobacteria using quantitative proteomics	
		17:30		Monash	Doug MacFarlane	Energy Applications of Ionic Liquids: From Solar Cells and Water Splitting to Thermocells	
		17:50		IIT Bombay	Sagar Mitra	Conversion Based Lithium-ion Battery Electrodes: Past and Present Status	
18:10 Closing Remarks							
18:15-19:00 Drinks and Refreshments							