

Short Course on Eddy Covariance and GHG Flux Estimation- IITM Pune Nov 7-12, 2016

Day & Date	Time	Name of Speaker	Lecture Title
07-11-2016	9:15-9:20	Welcome by Director, IITM	
	9:20-9:30	S. Chakraborty	About the workshop
	9:30 – 11:00	Dr. Anand Karipot Savitribai Phule Pune University, Pune	Introduction to Micro- and Boundary Layer Meteorology
	11:15 – 12:45	Prof. K. T. Paw U University of California Davis, USA	Turbulent transport in the boundary layer, Eddy flux concept, Theory of Eddy covariance technique
	14:15 – 15:45	Dr. Anand Karipot	Understanding Micrometeorological measurements
	16:00 – 17:30	Prof. K. T. Paw U	Surface layer similarity relations
08-11-2016	9:30 – 11:00	Prof. K. T. Paw U	EC flux measurements: complex terrain and non-ideal conditions
	11:15 – 12:45	Dr. Anand Karipot	Surface Energy Balance
	14:15 – 15:45	Prof. K. T. Paw U	Current status and challenges in micrometeorological research
	16:00 – 17:30	Mr. Aditya Trivedi Mr. Arvind Kumar Elron/ LI-COR Dr. Anand Karipot	Hands On: Installation and maintenance of Eddy Covariance Systems- I
09-11-2016	9:30 – 11:00	Dr. George Burba LI-COR Biosciences	Major Assumptions and Requirements of EC Method Particularly Important for the Experiment Design – Part 1 (90 min)
	11:15 – 12:45	Dr. George Burba	Major Assumptions and Requirements of EC Method Particularly Important for the Experiment Design Particularly Important for the Experiment Design – Part 1 (90 min)
	14:15-15:45	Mr. Aditya Trivedi Mr. Arvind Kumar Elron/ LI-COR Dr. Anand Karipot	Hands On: Installation and maintenance of Eddy Covariance Systems - II
	16:00 – 17:30	Mr. Aditya Trivedi Mr. Arvind Kumar Elron/ LI-COR	Hands On: IRGA Calibration
	16:00 – 17:00 IITM SEMINAR	George Burba	Review: Novel Use of High-Speed Open-Path Technology in Various Applications for Mobile Methane Measurements by Research Organizations and Regulatory Agencies"
10-11-2016	9:30 – 11:00	Dr. George Burba	Designing and Implementing EC Experiments in Various Applications – Part 1 (90 min)
	11:15 – 12:45	Mr. Aditya Trivedi Mr. Arvind Kumar Elron/ LI-COR	Hands on: Soil CO ₂ flux system
	14:15 – 15:45	Dr. George Burba	Designing and Implementing EC Experiments in Various Applications – Part 2
10-11-2016	16:00 – 17:30	Dr. Anand Karipot	Instrumentation for micrometeorological research
11-11-2016	9:30 – 11:00	Dr. George Burba	Fundamental Design of EC Instrumentation and Latest CO ₂ and H ₂ O Flux Research Systems? – Part 1
	11:15 – 12:45	Dr. Anand Karipot	Data logging systems: fundamental aspects & programming Campbell Sci. dataloggers.
	14:15 – 15:45	Dr. George Burba	Fundamental Design of EC Instrumentation and Latest CO ₂ and H ₂ O Flux Research Systems? – Part 2
	16:00 – 17:30	Dr. Anand Karipot	Hands on: Installation and maintenance of sensors for supporting measurements - I
12-11-2016	9:30 – 11:00	Dr. George Burba	Very Latest Combination of Hardware, Software and Web Tools for Running a Network of Multiple EC Stations and Sharing the Site and Data Access (90 minutes)
	11:15 – 12:45	Dr. Anand Karipot	Hands on: Installation and maintenance of sensors for supporting measurements - II