

FUNCHEM Program

Four half-day sessions: Emissions Chemistry Modelling Discussions

Day 1 (Saturday, 14 September 2024)

Time (UTC/KL local)	Title/topic	Speaker
1:00 UTC / 9am	Welcome and overview	Cyndi Whaley
1:30 UTC / 9:30	Methane emissions from fires: trends and anomalies	Aihua Zhu (virtual)
1:45 UTC / 9:45	Emissions uncertainty analysis	Daniel Tong (virtual)
2:00 UTC / 10:00	Crop Residue Burning in Northern India	Pallavi Saxena (in person)
2:15 UTC 10:15	Hourly fire emissions (RAVE)	Fangjun Li (virtual)
2:30 UTC 10:30	Modified combustion efficiency	Jun Wang (virtual)
2:45 UTC/ 10:45	Coffee break	
3:00 UTC / 11:00	Peat fire emissions	Johannes Kaiser (virtual)
3:15 UTC / 11:15	Fire emissions uncertainty analysis	Rupal Ambulkar (in person)
3:30 UTC / 11:30	Panel on transition from MODIS to VIIRS	Ed Hyer, Christine Wiedinmyer, Arlindo da Silva, Anton Darmenov, Mark Parrington (virtual)
4:30 UTC / 12:30	LUNCH break and online posters (gather.town)	
6:00 UTC / 2pm	Aircraft observations of Biomass Burning over Africa	Hugh Coe (in-person)
6:30 UTC / 2:30	COALA campaign – smoke chemistry in Australia	Clare Murphy (in person)
7:00 UTC / 3pm	Coffee Break	

7:15 UTC / 3:15	Emissions and longtime aging of full-volatility organics from wildfire	Shuxiao Wang (virtual)
7:45 UTC / 3:45pm	Issues of solid fuel typology in developing country and emissions estimation	Rakesh Kumar (virtual)
8:15 UTC / 4:15	Fire and urban interactions	Lu Hu (virtual)
8:45 UTC / 4:45pm	Wildfire risks for global wildland-urban interface areas	Bin Chen (virtual)

Post day one: informal gathering in hotel lounge

Day 2: (Sunday, 15 September 2024)

Time (UTC/KL local)	Title/topic	Speaker
1:00 UTC / 9am	Welcome and overview	
1:30 UTC / 9:30am	Modelling and remote sensing of long-distance fire smoke transport	Yang Li (in person)
1:40 UTC / 9:40am	Evaluating the effect of Variability in Biomass burning Emissions inventories on modelled PM2.5	Patrick Hayes (virtual)
2:10 UTC / 10:10am	pyrE: the interactive fire module within the NASA GISS Earth system model	Keren Mezuman (virtual)
2:45 UTC / 10:40am	Coffee break	
3:00 UTC / 11am	Overview of the ECCC Operational wildfire AQ Forecasting System: Status, Recent Improvements, and Perspectives	Rodrigo Munoz-Alpizar
3:30 UTC / 11:30am	Decision support system for AQ management in Delhi	Sachin Ghude
4:00 UTC / Noon	LUNCH break and online posters	
5:00 UTC / 1pm	HTAP Fires project modelling plans	Cynthia Whaley (in person)

5:30 UTC / 1:30	Discussion: gaps in research	all
6:30 UTC / 2:30	Discussion: future directions for impacts (policy, climate change, health, agriculture)	all
6:45 UTC / 2:45	Coffee break	
7:00 UTC / 3pm	Discussion continued	
7:30 UTC / 3:30	Deliverables: Interjournal special issue	all
8:00 UTC / 4pm	List of manuscripts for special issue	all
8:30 UTC / 4:30	IGAC report	all
9:00 UTC / 5pm	Closing	