



FUNCHEM Program

Four half-day sessions: **Emissions** **Chemistry** **Modelling** **Discussions**

[YouTube Playlist](#)

Speaker consent for sharing recording - shown in bold

Day 1 (Saturday, 14 September 2024)

| Time (UTC/KL local) | Title/topic | Speaker | YouTube |
|---------------------|--|-----------------------------------|------------------------|
| 01:00 UTC / 9am | Welcome and overview | Cyndi Whaley | Posted |
| 01:30 UTC / 9:30 | Methane emissions from fires: trends and anomalies | Aihua Zhu (virtual) | Posted |
| 01:45 UTC / 9:45 | Emissions uncertainty analysis | Daniel Tong (virtual) | Posted |
| 02:00 UTC / 10am | Crop Residue Burning in Northern India | Pallavi Saxena (in person) | Posted |
| 02:15 UTC 10:15 | Hourly fire emissions (RAVE) | Fangjun Li (virtual) | Posted |
| 02:30 UTC 10:30 | Modified combustion efficiency | Jun Wang (virtual) | |
| 02:45 UTC/ 10:45 | Coffee break | | |
| 03:00 UTC / 11am | Peat fire emissions | Johannes Kaiser (virtual) | Posted |
| 03:15 UTC / 11:15 | Fire emissions uncertainty analysis | Rupal Ambulkar (in person) | Posted |

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| 03:30 UTC / 11:30 | Panel on transition from MODIS to VIIRS | Ed Hyer, Christine Wiedinmyer, Arlindo da Silva, Mark Parrington (virtual) | Posted |
| | <i>Quick group photo</i> | | |
| 04:30 UTC / 12:30 | LUNCH break and online posters (gather.town) | | |
| 06:00 UTC / 2pm | Aircraft observations of Biomass Burning over Africa | Hugh Coe (in-person) | |
| 06:30 UTC / 2:30 | COALA campaign – smoke chemistry in Australia | Clare Murphy (in person) | Posted |
| 07:00 UTC / 3pm | Coffee Break | | |
| 07:15 UTC / 3:15 | Emissions and longtime aging of full-volatility organics from wildfire | Shuxiao Wang (virtual) | |
| 07:45 UTC / 3:45pm | Issues of solid fuel typology in developing country and emissions estimation | Rakesh Kumar (virtual) | |
| 08:15 UTC / 4:15 | Fire and urban interactions | Lu Hu (virtual) | Posted |
| 08:45 UTC / 4:45pm | Wildfire risks for global wildland-urban interface areas | Bin Chen (virtual) | |

Day 2: (Sunday, 15 September 2024)

| Time (UTC/KL local) | Title/topic | Speaker | YouTube |
|---------------------|--|--------------------------------|------------------------|
| 01:00 UTC / 9am | Welcome and overview | | |
| 01:30 UTC / 9:30am | Modelling and remote sensing of long-distance fire smoke transport | Yang Li (in person) | |
| 01:40 UTC / 9:40am | Evaluating the effect of Variability in Biomass burning | Patrick Hayes (virtual) | Posted |

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| | Emissions inventories on modelled PM2.5 | | |
| 02:10 UTC / 10:10 | pyrE: the interactive fire module within the NASA GISS Earth system model | Keren Mezuman (virtual) | |
| 02:40 UTC / 10:40 | Coffee break | | |
| 03:00 UTC / 11am | Overview of the ECCO Operational wildfire AQ Forecasting System: Status, Recent Improvements, and Perspectives | Rodrigo Munoz-Alpizar | |
| 03:30 UTC / 11:30 | Decision support system for AQ management in Delhi | Sachin Ghude | Posted |
| 04:00 UTC / Noon | HTAP Fires project modelling plans | Cynthia Whaley (in person) | Posted |
| 04:00 UTC / 12:30 | LUNCH break and online posters (gather.town) | | |
| 05:30 UTC / 1:30pm | Discussion: gaps and opportunities in BB research | All, in breakout sessions of ~10 per group | Not recorded |
| 06:15 UTC / 2:15pm | Discussion: future directions for impacts (policy, climate change, health, agriculture) | All, in breakout sessions of ~10 per group | Not recorded |
| 07:00 UTC/ 3pm | Coffee break | | |
| 07:30 UTC / 3:30 | Deliverables: Interjournal special issue | all | Not recorded |
| 08:00 UTC / 4pm | List of manuscripts for special issue | all | Not recorded |
| 08:30 UTC / 4:30 | IGAC report | all | Not recorded |

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| 09:00 UTC / 5pm | Closing |
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Jamboard links:

Emissions: https://jamboard.google.com/d/1h0F0GgEwKhAM5HCnElrzlyYY8vM58Plq1H7vR_KQL3g/edit?usp=sharing

Chemistry: https://jamboard.google.com/d/1FVdnHqK7ID5igQBHLbQe71oa2c8Qlafq1iq_7M10Jc/edit?usp=sharing

Modelling: https://jamboard.google.com/d/14NgDDYA0rCTJ_tKOkJ8foKGymffnUIXMJtsn9b-ee4/edit?usp=sharing

Discussion: https://jamboard.google.com/d/1doi-__WK5mowaRRSx1y8ldJvkyE08lRagm36h2Di6EQ/edit?usp=sharing