

India Clean Air Summit (ICAS) 2025

Tentative Agenda

Venue: Hyatt Centric Hebbal Bengaluru

Wednesday, 20 August 2025

10:00–10:15	Introductory remarks (scope of training)		
10:15–11:15	Introduction to air quality models, including policy-relevant air quality models (PRMs) by Dr Piyush Bhardwaj (Research Scientist, Air Quality, CSTEP)	Introduction to air quality observations (aerosol physical and chemical characterisation and instruments) by Kavyashree Kalkura (Analyst, Air Quality Sector, CSTEP) and Umer Ali (Senior Analyst, Air Quality, CSTEP)	
Tea break (11:15–11:30)			
11:30–13:00	Tutorial on ‘Fundamentals of modelling: Aerosol physical processes and parameterisations’ by Professor Spyros Pandis (Dept. of Chemical Engineering, University of Patras, Greece)		
Lunch (13:00–14:00)			
14:00–15:30	Tutorial on ‘Fundamentals of atmospheric and aerosol chemistry’ by Professor Faye McNeill (Columbia University)	Introduction to low-cost sensors and sensor evaluation by Emil Varghese (Senior Analyst, Air Quality, CSTEP)	ACSM/AMS data analysis – Aerodyne (Philip Croteau / Matson Pothier) Source apportionment with PMF/PET – Aerodyne (Manjula Canagaratna)
Tea break (15:30–15:45)			Tutorial on data management and SoFi/similar tools for source apportionment – Olivier Favez or Jean-Eudes Petit (including 15 min tea break)
15:45–17:30	Hands-on training in REACH and InMAP PRMs / CSTEP dashboard by Sanjukta Ghosh (CSTEP)/ Lucas Rozas Mendoza (University of California, Berkeley)	Machine learning for sensor calibration and data analysis by Nirav Lekinwala (Senior Associate, Air Quality, CSTEP) and Nidhi Malik (Senior Associate, Air Quality, CSTEP)	
Break/networking (17:30–18:00)			
18:00–19:30	<ul style="list-style-type: none">Speeches by invited guests (TBC)Launch of CSTEP’s new reports on mitigation of air pollution from heavy commercial vehicles (HCVs) and diesel generators (DG sets)Showcasing CSTEP’s new dashboard for policy-relevant air quality modelling (PRM)		
ICAS dinner (19:30–22:00)			

Thursday, 21 August 2025

9:00–9:30	Registration
9:30–11:00	Plenary session Welcome remarks by Dr Jai Asundi (Executive Director, CSTEP) Keynote addresses: <ul style="list-style-type: none"> • Professor Spyros Pandis • Professor Sachchida Nand Tripathi
Tea break (11:00–11:15)	
11:15–13:15	‘Advancing research for air quality management in India’ (Invited talks by Professor Faye McNeill, Professor Chandra Venkataraman, Dr Sachin Ghude, and Professor Joshua Apte [TBC])
Poster presentations and lunch break (13:15–14:30)	
14:30–15:30	Panel discussion on ‘Improving the state of air quality modelling in India’ (Current state of emission inventories and advancements, advancements in ambient air quality observations, emerging techniques to fill existing data gaps) – Professor Gufran Beig, Professor Srinidhi Balasubramanian, Professor Nipun Batra, and Professor Harish Phuleria
15:30–16:00	Invited talks on PAVITRA project (University of California, Berkeley, IIT-Bombay)
Networking tea break (16:00–16:30)	
16:30–18:00	Invited talk on ‘Scientific advances in air quality monitoring and impact assessment’ by Professor Sagnik Dey, Professor Neeraj Rastogi, Dr Poonam Mangaraj, and Dr Sally Ng (Identifying the toxic components of PM _{2.5} for air quality and health studies, oxidative potential of aerosols, US-ASCENT network of PM _{2.5} composition measurements: Key learnings)
Poster presentations and break (18:00–19:00)	
Networking dinner (19:00–21:30)	

Friday, 22 August 2025

9:30–10:30	TBC – Invited talks by senior government officials
Tea break (10:30–10:45)	
10:45–12:00	Invited talk and panel discussion on ‘Modelling solutions to pollution: Coordinating air pollution mitigation efforts over India’ (Shri Ashish Tiwari, Dr Virinder Sharma [TBC], and Professor Saumya Singh [IIFM])
12:00–13:15	Invited talk on ‘Air pollution sources and solutions’ <ul style="list-style-type: none"> • Cleaning brick manufacturing in India by Dr Sameer Maithel (Founder, Greentech Knowledge Solutions Pvt Ltd) • Accelerator for Clean Air Actions (Dr Madhav Pai) • Cleaning up the transportation sector (Ms Swagata Dey)
Lunch break (13:15–14:15)	
14:15–14:25	Sponsor sessions
14:25–14:45	Distribution of certificates to student poster presenters
14:45–16:00	Panel discussion on ‘Solutions to mitigate household air pollution for health and climate co-benefits’ (Professor Chandra Venkataraman, Dr Abhishek Kar, and Ms Vinuta Gopal)
16:00–16:30	Concluding remarks by Dr Indu Murthy Vote of thanks by Dr Piyush Bhardwaj
Networking and high tea (16:30–17:30)	