

[20 Oct 2019] Please note this programme is provisional and subject to change. Abstracts in red are considered not registered or confirmed - please register or email asaq15@nottingham.edu.my to update.

Sun 27 Oct		Mon 28 Oct		Tue 29 Oct		Wed 30 Oct			
				Registration (Foyer)					
08:30	Registration (Foyer)	08:30	Plenary talk (Ballroom 1)	08:30	Plenary talk (Ballroom 1)	Plenary talk (Ballroom 1)			
09:00	Opening Ceremony (Ballroom 1) Prof Andy Chan (Chair, ASAAQ15), Dr Nagulendran Kangayatkarasu (Deputy Secretary General - Environment and Climate Change, MESTECC)	09:00	Dr Mian Chin (NASA Goddard Space Flight Center) Connections between Asian Air Pollution and Monsoon System: Effects on Air Quality and Atmospheric Composition	09:00	Prof Lidia Morawska (Queensland University of Technology) The relationship between clean air and clean energy: what do we need to know and do?				
09:30	Plenary talk (Ballroom 1) Prof Chak Chan (City University of Hong Kong) Gas-Particle Interactions: Hygroscopic Properties, Phase Transformation and Heterogeneous Reactions of Atmospheric Aerosols	09:30	Parallel session (Ballroom 2) Theme 5	09:30	Parallel session (Ballroom 1) Theme 2 continued	09:30	Parallel session (Ballroom 1) Theme 3	Parallel session (Ballroom 2) Theme 4	Parallel session (Corus 2) Theme 5 continued
10:00		10:00	7-SEAS Workshop	10:00	Monitoring, Detection and Spatial Environment	10:00	Modelling and Technologies	Climatology, Impacts & Policies	7 SEAS Workshop Discussion
10:30	Tea break, Group photo session	10:30		10:30		10:30			
11:00	Parallel session (Ballroom 2) Theme 1	11:00	Parallel session (Ballroom 1) Theme 2	11:00	Tea break	11:00	Tea break		
11:30	Atmospheric Chemistry	11:30	Monitoring, Detection and Spatial Environment	11:30	Parallel session (Ballroom 2) Theme 5 continued	11:30	Parallel session (Ballroom 1) Theme 3 continued	Parallel session (Ballroom 2) Theme 4 continued	Parallel session (Corus 2) Theme 5 continued
12:00	Registration (Foyer)	12:00		12:00	7-SEAS Workshop	12:00	Modelling and Technologies	Climatology, Impacts & Policies	7 SEAS Workshop Discussion
12:30		12:30		12:30		12:30			
13:00		13:00		13:00		13:00			
13:30	Lunch (Ground Floor Dondang Sayang Coffee House)	13:30	Lunch (Ground Floor Dondang Sayang Coffee House)	13:30	Lunch (Ground Floor Dondang Sayang Coffee House)	13:30	Lunch (Ground Floor Dondang Sayang Coffee House)		
14:00	Plenary talk (Ballroom 1) Prof Talib Latif (University Kebangsaan Malaysia) Assessment and Variation of Major Air Pollutants in Malaysia	14:00	Plenary talk (Ballroom 1) Prof Roy Harrison (University of Birmingham) Measurement and Modelling of Physico-Chemical Properties and Atmospheric Behaviour of Automotive Diesel Particles	14:00	Plenary talk (Ballroom 1) Prof Roy Harrison (University of Birmingham) Measurement and Modelling of Physico-Chemical Properties and Atmospheric Behaviour of Automotive Diesel Particles	14:00	Interdisciplinary discussion session (Ballroom 1) Prof Roy Harrison (University of Birmingham) Dr David Tan (United Nations University) Dr Helena Varkkey (Universiti Malaya)		
14:30		14:30		14:30		14:30	How Can We Ensure Our Science Leads to Improvement of the Atmospheric Environment?		
15:00	Parallel session (Ballroom 2) Theme 1 continued	15:00	Parallel session (Ballroom 1) Theme 2 continued	15:00	Parallel session (Ballroom 2) Theme 5 continued	15:00	Parallel session (Ballroom 1) Theme 3 continued	Parallel session (Ballroom 2) Theme 4 continued	Parallel session (Corus 2) Theme 5 continued
15:30	Atmospheric Chemistry	15:30	Monitoring, Detection and Spatial Environment	15:30	7-SEAS Workshop	15:30	Modelling and Technologies	Climatology, Impacts & Policies	7 SEAS Workshop Discussion
16:00	Tea break	16:00	Tea break	16:00	Tea break	16:00			
16:30	Parallel session (Ballroom 2) Theme 1 continued	16:30	Parallel session (Ballroom 1) Theme 2 continued	16:30	Parallel session (Ballroom 2) Theme 5 continued	16:30	Parallel session (Ballroom 1) Theme 3 continued	Parallel session (Ballroom 2) Theme 4 continued	Parallel session (Corus 2) Theme 5 continued
17:00	Atmospheric Chemistry	17:00	Monitoring, Detection and Spatial Environment	17:00	7-SEAS Workshop	17:00	Modelling and Technologies	Climatology, Impacts & Policies	7 SEAS Workshop Discussion
17:30		17:30		17:30		17:30			
18:00	Ice-breaker welcome reception (Poolside)	18:00	End of day 1	18:00	End of day 2	18:00			
			End of day 1		End of day 2		Close of conference		
		International organising & scientific committee meeting (Komura Japanese Restaurant)		Gala dinner (KL Tower Atmosphere 360 Revolving Restaurant)					

Theme 1 - Atmospheric Chemistry (Ballroom 2)

Monday 28th Oct (Day 1), 11am-1pm (Session Chair: Sasho Gligorovski)

- Jiangping Liu, Sheng Liu, Majda Mekic, Haoyu Jiang, Wentao Zhou, Gwendal Loisel,
45 Wei Song, Xinming Wang and Sasho Gligorovski
Photoenhanced uptake of NO₂ and HONO formation on urban grime
-
- 14 Yufang Hao, Xiangpeng Meng, Xuepu Yu, Mingli Lei, Wenjun Li, Wenwen Yang,
Fangtian Shi and Shaodong Xie
Chemical Characteristics and Health Risks of Trace Metals in PM_{2.5} from
Firework/Firecracker Burning during the Spring Festival in North China
-
- 28 Bernhard Rappenglueck and Alyssa Holler
Analysis of a 15-Year Time Series of C₂-C₁₁ Non-Methane Hydrocarbons in a
Subtropical Area: Interannual Variability and Trends
-
- Majda Mekic, Jiangping Liu, Yannis Lazarou, Marcello Brigante, Davide Vione and
46 Sasho Gligorovski
Oligomers Formation from Cross-Reactions of Carbonyl Compounds in the
Atmosphere: An Insight at a Molecular Level
-
- 80 Stephen M. Griffith, T. T. Linh Do, Wei-Ti Tseng, Guey-Rong Sheu and Neng-Huei Lin
Rainwater Analysis from an Urban Site in Taiwan and a Remote Site Upstream:
Scavenging Impacts and Implications for Urban Precipitation Chemistry
-
- 99 Anchal Garg and Nc Gupta
BTEX Emissions, Spatio-seasonal Variability and its Associated Health Risks on Human
Health in Outdoor Air of Delhi
-
- 106 Akira Okada, Kazuhiko Sekiguchi and Kenshi Sankoda
Removal of VOC Gas by Ultrasonic Irradiation
-
- 107 Akanksha Roy and Umesh Kulshrestha
Understanding the Chemistry of C and N Air Pollutants for Sustainable Environmental
Solutions in East Bihar Region

Monday 28th Oct (Day 1), 3-6pm (Session Chair: Mohamed Yassin)

- 32 Yang Lan, Shiguo Jia, Jeffery S. Reid and Liya E. Yu
Effects of Lost Semi-Volatile Inorganics on In Situ Acidity and Water Content of
Urban PM_{2.5}
-
- 56 Masao Gen, Ruifeng Zhang, Dan Dan Huang, Yongjie Li and Chak Chan
Heterogeneous SO₂ Oxidation in Sulfate Formation by Photolysis of Particulate
Nitrate
-
- 57 Masao Gen, Ryota Kunihiya, Atsushi Matsuki and Chak Chan
Electrospray Surface-Enhanced Raman Spectroscopy (ES-SERS) for Studying Organic
Coatings of Atmospheric Aerosol Particles
-
- 68 Yi-Da Li and Ta-Chih Hsiao
Changes of Soot Particle Properties Induced by Oxygen Along with Ultraviolet
-
- 100 Samiha Nahian, Abdus Salam, Farah Jeba and Tanzina Akther
Characterization of Atmospheric Fine Particulate Matter at Indoor Environment of
Several Residential Homes in Dhaka, Bangladesh
-
- 121 Onam Bansal, Darshan Singh and Karamjit Singh
Aerosol Characteristics over Northwestern Part of India: Impact of Biomass Burning
-
- 122 Sivasakthivel Senthilvel and Nandini Natarajan
Association of Ambient viable Bioaerosol and air pollutants in Bengaluru Urban,
Karnataka, India: A five year study
-
- 5 Yu Zou
Characteristics of Atmospheric Photochemical Pollution at a Comprehensive Site in
Guangzhou, China
-
- 34 Mohamed Yassin and Ameena Al-Jazzaf
Assessment Ambient Ozone Sources and Distributions in Kuwait: GIS Approaches
-
- 89 Mingqun Huo, Ken Yamashita and Fang Chen
Spatial-temporal Variation of PM_{2.5} and Ozone Concentration in Beijing and Their
Health Risk Assessment
-
- 44 Sasho Gligorovski, Majda Mekic, Marcello Brigante and Davide Vione
Ionic strength effects on the reactive uptake of ozone on organic compounds:
Implications for air-sea ozone deposition

Theme 2 - Monitoring, detection and spatial environment (Ballroom 1)

Monday 28th Oct (Day 1), 11am-1pm (Session Chair: Liya E Yu)

- 6 Aulia Nisa'Ul Khoir, Kurdiyan, Suradi, Mizani Ahmad and Hanifah Nuryahati
Analysis of PM₁₀ in Urban and Rural Environment in Sumatra Island over the Past
Half-decade
-
- 7 Sunaryo, Dwi Atmoko, Andriyani Agus, Sheila Dewi Ayu Kusumaningtyas and Suradi
Analysis of PM_{2.5} Particulate Concentration Before and After Eid Al-FITR Holiday in
June 2017 at Jakarta Megacity, Indonesia
-
- 12 Yanjun Ma, Yufei Liu and Yunhai Zhang
The Study on Characteristics of Regional Air Pollution Change in Northeast China
-
- 13 Majid Azari, Lawal Billa and Andy Chan
A Geographical Review of Air Quality in Klang Valley, Malaysia
-
- 30 Quan Kong, Yang Lan and Liya E. Yu
Impacts of Peat-Forest Smoke on Size-Resolved Aerosols in Tropical Urban
Environment
-
- Razib, Dr. Ahmad Kamruzzaman Majumder, Md. Sahadat Hossain and Abdullah Al
47 Nayeem
Seasonal Variation of PM_{2.5} in Relation to Meteorological Characteristics in Dhaka
City, Bangladesh
-
- 50 Tuan V. Vu, Zongbo Shi, Di Liu and Roy M. Harrison
Evaluation of the Effectiveness of Mitigation Measures on General Air Quality and
Road Traffic Pollution in Beijing
-
- Nazri Dom, Ahmad Khairul Hakim Mohammad, Ahmad Razali Ishak and Siti Nazrina
51 Camalxaman
Correlational analysis of air pollutant index on the density of dengue vectors in
selected zone in Melaka, Malaysia
-
- Monday 28th Oct (Day 1), 3-6.30pm (Session Chair: Bernhard Rappenglueck)
- Bernhard Rappenglueck, Olabosipo Osibanjo, Armando Retama and Monica Jaimes
26 Palomera
Anatomy of a Severe Ozone Smog Episode in Mexico-City
-
- 67 Alfred LC Yu, Larry CH Suen and Kenneth KM Leung
Air Quality Monitoring at Tai Mo Shan Summit, the Highest Point in Hong Kong
-
- 69 Kritika Shukla, Shankar G. Aggarwal and Daya Soni
Seasonal Discrepancies in PM_{2.5} Mass Concentration Measurement by Beta
Attenuation Technique
-
- 72 Mohammad Alsahli and Meshari Al-Harbi
Allocating Optimum Sites for Air Quality Monitoring Stations Using GIS Suitability
Analysis
- Takashi Yoda, Irankunda Elisephane, Yo Ishigaki, Minjung Kim, Muneo Matsukawa,
Yoshinori Matsumoto, Ggombe Kasim Munyegera, Koumei Yamaguchi and Hiroaki
77 Kondo
Seven Months Observations of Indoor Air Pollution in Kigali Rwanda
-
- José Huertas, Alberto Mendoza, María E. Huertas, Rolando Ibarra and Antonio
83 Mogro
An Environmental Impact Estimation of a Vehicle Inspection and Maintenance
Program in Urban Centers - Monterrey as a Case Study
-
- 90 Majid Azari, Lawal Billa and Andy Chan
Modelling of Land-use/Land-cover Change and its Impact on Local Climate of Klang
River Basin
-
- 92 Man Tat Lei, Joana Monjardino, Luisa Mendes and Francisco Ferreira
Macao air quality forecast using statistical methods
-
- 94 Tobias Stolz, María E. Huertas and Alberto Mendoza
Performance Assessment of Air Quality Monitoring Networks in the Three Major
Metropolitan Areas of Mexico
-
- 97 Yuji Fujitani, Akihiro Fushimi, Katsumi Saitoh, Kei Sato and Akinori Takami
Source apportionment of refractory black carbon in aerosols during period of the
harvest season in suburban area in Japan
-
- 103 Vrinda Anand, Abhilash S Panicker and Gufran Beig
Half-Decadal Trend of Particulate Matter over Different Micro-Environments in
Pune, India
-
- 131 Kun Zeng, Xuesong Li, Jian Cui and Zhen Zhang
Typical Derivate and Byproduct of Tetrabromobisphenol A: Development of Novel
High-Throughput Immunoassays and Systematic Investigation of Their Distributions
in an E-Waste Recycling Area in Eastern China

7SEAS Workshop (Ballroom 2)

Tuesday 29th Oct (Day 2), 9.30am-5.30pm (Session Chair: Neng-huei Lin, Brent Holben)

A: Overview and networks for 7-SEAS

- Brent Holben, Thomas Eck, David Giles, Mikhail Sorokin, Luigi Boschetti, Itaro Sano, Sheng-Hsiang Wang and Peter Gäg
- 64 Aeroent Dragon Campaigns: Potential Contributions to High Resolution Satellite and Regional Aerosol Model Validations in Mountainous Regions
- Ellsworth Welton, Sebastian Stewart, James Campbell, Simone Loli, Jasper Lewis and Larry Belcher
- 126 The NASA Micro Pulse Lidar Network (MPLNET): Update on Version 3 release and activities in 7SEAS region
- 71 Si-Chee Tsay
- 7-SEAS: An Overview of Spring 2020 Baseline Studies on Aerosol-Cloud Interactions

B: Remote sensing and regional pollution issues

- Simone Loli, Ellsworth J. Welton, Japser R. Lewis, James R. Campbell and Gemine Vivone
- 117 Features and Characteristics of the new NASA MicroPulse NETwork (MPLNET) automatic rain detection algorithm
- David Giles, Brent Holben, Thomas Eck, Alexander Smirnov, Joel Schafer, Alexander Sinyuk, Mikhail Sorokin and Ilya Slutsker
- 24 Evaluation of Solar and Lunar Aeronet Aerosol Products in the 7-SEAS Region
- 65 Jason Blake Cohen
- Coupling Remote Sensing, Models, and Mathematics to Constrain and Attribute Extreme Pollution Events in Southeast, East, and South Asia

C: Results from northern 7-SEAS

- Serm Janjai, Somjet Pattarapanitchai, Sumaman Buntoung, Itsara Masiri, Korntip Tohsing and Jurairat Phoman
- 53 Cross-Boundary Aerosols: A Case Study of Aerosol Problem in Bangkok During January-February, 2019
- 78 Chung-Te Lee, Jyun-Syu Ciou and Charles C.-K. Chou
- Mountain Aerosol Chemical Characteristics Contrasted Between Atmospheric Background and Pollution Events
- Chang-Feng Ou-Yang, Chih-Chung Chang, Jia-Lin Wang, Sheng-Hsiang Wang, Si-Chee Tsay, Gang-Jei Fan, Kai-Hsien Chi, Somporn Chantara and Neng-Huei Lin
- 63 Influence of Springtime Biomass Burning on Volatile Organic Compounds in Continental Southeast Asia
- 40 Ming-Tung Chuang
- Estimating and discussing the contribution and transport mechanism of haze from three major industrial parks in China mainland to Taiwan
- Maggie Chel Gee Ooi, Ming-Tung Chuang, Joshua S. Fu, Steven Soon-Kai Kong, Wei-Syun Huang and Neng-Huei Lin
- 74 Optimizing the Prediction of Biomass Burning Plume Dispersion in Southeast Asia
- Somporn Chantara, Sarana Chansuebsri, Wittawat Insian, Nuttipon Yabueng and Wan Wiriya
- 137 Air Quality Monitoring and Health Risk Assessment during Smoke Haze Season 2019 in Northern Thailand
- 138 Wan Wiriya, Somporn Chantara and Artit yawootti
- Outdoor Air Quality Monitoring by A Commercial Light Scattering Particulate Matter Sensors in Upper Northern Thailand
- Sheng-Hsiang Wang, Morris Lin, Neng-Huei Lin, Serm Janjai, Brent Holben and Somporn Chantara
- 81 Variability of aerosol types and chemical components over Indochina based on AERONET data

D: Results from southern 7-SEAS

- 73 Santo V. Salinas, Li Tan and Daniel M. Kalbermatter
- Seasonal Analysis of Aerosol Optical Depth, PM_{2.5}, Relative Humidity and PBL Height for Years 2015-2018: Implications for Satellite Retrievals of PM_{2.5}
- 87 Justin Sentian, Jay Han Chew, Franky Herman and Vivian Wan Yee Kong
- Source Apportionment of Pollutants in Port Klang, Malaysia during Haze and Non-haze Episodes in 2015
- Md Amirul Islam, Andy Chan, Su Ting Yong, Maggie Chel Gee Ooi, Siti Aekbal Salleh, Nurul Amirah Isa, Nur Hidayah Zakaria and Majid Azari
- 2 Impacts of Large Amount of Access Aerosol on The Air Quality: Southeast Asia During 2015 Biomass Burning Haze Event
- 82 Puji Lestari and M Chusnan Aprianto
- Fine Particulate Matter: Composition and Potential Sources in Jakarta During Wet Season

Theme 2 - Monitoring, detection and spatial environment, continued ... (Ballroom 1)

Tuesday 29th Oct (Day 2), 9.30am-1pm (Session Chair: Hiroaki Kondo)

- Federico Carotenuto, Lorenzo Brilli, Beniamino Gioli, Giovanni Gualtieri, Francesca 108 Martelli, Mauro Mazzola, Carolina Vagnoli, Angelo Viola and Alessandro Zaldei
- Design and Performance of A Low-Cost Atmospheric Composition Monitor for Deployment in Extreme Environments
- Lorenzo Brilli, Andrea Berton, Marco Bindi, Federico Carotenuto, Beniamino Gioli, Giovanni Gualtieri, Francesca Martelli, Sara Profeti, Giacomo Trombi, Camilla Dibari, 109 Marco Moriondo, Carolina Vagnoli and Alessandro Zaldei
- Innovative Low-Cost Air Quality Stations to Support Road Traffic Regulations in Urban Areas
- 114 Kopal Verma and Umesh Kulshrestha
- A Study of Indoor Carbonaceous Aerosols and the Socio-Economic Parameters in a Rural Area of Himachal Pradesh, India
- 118 Nikhil Korhale and Gufran Beig
- Variations in Surface Ozone and Its Precursors at Coastal City Mumbai
- Ryosuke Yamaguchi, Kazuhiko Sekiguchi, Trung Dung Nghiem, Thi Thu Thuy Nguyen, Hirotochi Kuwabara, Yuji Fujitani, Kimiyo Kumagai, Kenshi Sankoda, Kyung Hwan Kim 119 and Qingyue Wang
- Characteristics of Carbonaceous Aerosols in Hanoi, Vietnam
- Nor Hafizah Baharudin, Mohd Talib Latif, Jenny Stocker, Kate Johnson and Liew 124 Juneng
- Air Quality Modelling Using ADMS-URBAN for Kuala Lumpur Urban Environment
- 127 Eliani Ezani, Tiruchelvi Subramaniam, Emilia Zainal Abidin and Mohd Talib Latif
- Traffic-Related PM_{2.5} Generated from Vehicle Idling Activities in Proximity of Drop-Off and Pick-Up Zone at a Primary School in Malaysia
- 128 Christos Fountoukis, Adam Skillern and Mohammed Ayoub
- Air Quality Modeling and Forecasting in A Coastal Urban Environment under A Hot Desert Climate
- 130 Y S Chung and H S Kim
- Analyses of atmospheric impact in Korea from dustfalls associated with two weak sandstorms in Mongolia in January and February 2019
- Hiroaki Kondo, Shohei Murayama, Shigeyuki Ishidoya, Takahisa Maeda, Nobuko 25 Saigusa and Susumu Yamamoto
- Long-term Measurement of CO₂ Flux and Micro Meteorology at the Central Mountainous Area in Japan
- 35 Yang Lan, Jackson Tham, Sayantan Sarkar, Shiguo Jia, Jeffery S. Reid and Liya E. Yu
- Effects of transboundary peat-forest smoke on urban environment in Maritime Continent: Multi-year observations
- Steven Soon Kai Kong, Xin Yi Dong, Ming Tung Chuang, Joshua S Fu, Maggie Chel Gee 76 Ooi, Wei Syun Huang and Neng Huei Lin
- Improvement of Simulating the Long-range Transport of East Asian Dust to Taiwan

Tuesday 29th Oct (Day 2), 3-6.15pm (Session Chair: Oleg Postlyakov)

- 4 Miles Sowden
- Determining ground level composition and concentration of particulate matter across regional areas using the Himawari-8 satellite
- 19 Chun-Mou Chu, Wen-Hsi Cheng and Chung-Shin Yuan
- Applications of Telescoping SPME Sampling Device on a Drone to Extract Airborne Organic Vapors
- Abdullah Al Nayeem, Md. Sahadat Hossain, Dr. Ahmad Kamruzzaman Majumder and 43 William S. Carter
- Spatio-Temporal Variation of Brick Kilns and its Relation to Ground-level PM_{2.5} through MODIS Image at Dhaka District, Bangladesh
- 88 Muhammad Ahmed Subhani
- Monitoring of Glyoxal Column densities in different forest types of Pakistan by using MAX DOAS
- Oleg Postlyakov, Alexander Borovski, Nikolay Elansky, Anna Matesheva, Marina 93 Davydova, Luliia Mukhartova, Svetlana Zakharova and Aleksandr Makarenkov
- First experiment on high-detailed mapping of tropospheric NO₂ in polluted areas of China using hyperspectral imager onboard Resurs-P
- 101 Sandip Palve, Pravin Nemade and Sachin Ghude
- Spatio-Temporal Variation of Aerosol Optical Depth and Rainfall over India
- 120 Wilawan Wilawan, Oradee Pilahome and Choedtrakool Homchampa
- Trends of Climate Variables and Aerosol optical Depth in Thailand
- 132 Sundar Christopher and Yang Liu
- Satellite Remote Sensing of particulate matter air quality: Progress and potential
- 129 Oleg Postlyakov, Alexander Borovski, Alexey Chulichkov and Stanislav Nikitin
- On estimation of cloudiness characteristics and parameters of DOAS retrieval from spectral measurements using a neural network
- 133 Hussaini Yusuf, Norhaslinda Mohamed Tahrin and Lim Hwee San
- Discrete Ordinate Method for the Estimation of Downward Solar Flux in Penang, Malaysia
- Oleg Postlyakov, Alexander Borovski, Alexander Kirsanov, Nikolay Ponomarev, 139 Anastasiya Vasileva and Nikolay Elansky
- Comparison of measured and simulated NO₂ integral content in the lower troposphere in Moscow region

Theme 3 - Modelling & Technologies (Ballroom 1)

Wednesday 30th Oct (Day 3), 9.30am-1pm (Session Chair: Li Li)

- 21 Maimaiti Simayi, Yufang Hao and Shaodong Xie
Speciated NMVOCs Emission Inventories from Industrial Sources in China and Spatial Patterns of Ozone Formation Potential in 2016
- 61 Heidi Cheung
2017 Hong Kong Emission Inventory
- 79 Puji Lestari, Seny Damayanti and Khafid Maulana
Emission Inventory of Pollutant CO, SO₂, PM_{2.5}, NO_x and BC in Jakarta City using GAIN Model
- 110 Sirapong Sooktawee, Suwimon Kanchanasuta, Suteera Boonyapitak, Aduldech Patpai and Nirun Piemyai
Distinguish Potential Source Areas of PM_{2.5} and PM₁₀ by Statistical Data Analysis
- 113 Yangjun Wang, Xingjian Tan, Ling Huang, Jialiang Feng, Cesunica Ivey and Li Li
Application of a Next Generation Biogenic Emission Model (MEGAN3) in the Yangtze River Delta Region
- 1 Md Amirul Islam, Andy Chan, Matthew J. Ashfold, Maggie Chel Gee Ooi and Majid Azari
Effects of Ocean-Atmospheric Dynamics on Temperature and Precipitation Anomalies Over Southeast Asia During Biomass Burning of 2015.
- 9 Li Li
The Impact of Ammonia Emissions on Secondary Aerosol Over the Yangtze River Delta Region
- 8 Laetitia Mottet and Christopher Pain
An Automatic City Mesh Generator for Turbulent Urban Flow Simulation
- 10 Natanael Karjanto and Andy Chan
Asymptotic approximations of stratified shear flows with horizontal eddy coefficient of turbulent viscosity
- 20 Tiziano Tirabassi, Camila Costa and Karine Rui
Influence of dry deposition velocity to the ground in the dispersion of the air pollutants
- 136 Tanuku Srinivas and A Kameswara Rao
Air Dispersion Modeling : A Study on Estimation of Dispersion Coefficients of PUFF
- 31 Yi-Ju Lee and Fang-Yi Cheng
Contributions of Local and Long-range Transported Emissions to PM_{2.5} in Taiwan under Different Weather Patterns using CMAQ-ISAM

Wednesday 30th Oct (Day 3), 4-6.30pm (Session Chair: Sachio Adachi)

- 41 Shenxin Li, Bin Zou and Yuqi Tang
Time series modeling of PM_{2.5} concentrations with residual variance constraint in eastern mainland China during 2013-2017
- 85 Sachio Adachi and Hirofumi Tomita
Characteristics of Nonlinearity Between Climatology and Perturbation Components
- 95 Sigfrido Iglesias-González, María E. Huertas, Iván Hernández-Paniagua and Alberto Mendoza
Statistical Time Series Forecasting of Maximum Ozone Concentrations in the Metropolitan Area of Monterrey, Mexico
- 123 Adedayo Rasak Adedeji, Lalit Dagar, Mohammad Iskandar Petra and Liyanage Chandratilak De Silva
Sensitivity of WRF-Chem model resolution in simulating tropospheric ozone in Southeast Asia
- 36 Agnese Pini, Paolo Monti, Giovanni Leuzzi, Armando Pelliccioni, Monica Gherardi, Giorgio Cattani and Alessandro Di Menno di Buccianico
Numerical and experimental analysis of flow and particulate matter dispersion in indoor environment
- 27 Kevin Mugumya, Jing-Ying Wong and Andy Chan
The Indoor Built Environment Response to Haze in Malaysia
- 39 Roberto San Jose, Juan Luis Perez Camano, Libia Perez and Rosa Maria Gonzalez-Barras
Analysis of health impact assessment to outdoor and indoor air pollution in a prototype building in Madrid (Spain)
- 38 Agnese Pini, Paolo Monti, Giovanni Leuzzi, Armando Pelliccioni, Monica Gherardi, Giorgio Cattani and Alessandro Di Menno di Buccianico
A simplified analytical model of ultrafine particles concentration within an indoor environment
- 134 Anurita Selvarajoo
Biomass Char Gasification with Carbon Dioxide as an Alternative Energy
- 135 Sajan Thomas, Joselin Herbert and Jacob Varghese
The projected deposition and removal of PM_{2.5} by green façade drapes: a case study at SAINTGITS

Theme 4 - Climatology, Impacts and Policies (Ballroom 2)

Wednesday 30th Oct (Day 3), 9.30am-1pm (Session Chair: Alain Clappier)

- 11 Alain Clappier, Jessie Madrazo, Marco Guevara and Lius Carlos Belalcazar
Cuban's Energy Strategy into 2030: General Design Features Toward a Sustainable Transition
- 37 Mustapha Danladi Ibrahim, Isah Yakub Mohammed, Suchitra Thangalazhy and Yousif Abakr Abdalla
Technological Challenges and Possibilities on the Production of Bio-oil, Char and Syngas from Biomass Resources
- 75 Wei Liu, Kangli Che, Siyuan Luo and Sha Liu
Climate Change Adaptability Evaluation Based on Coupling Model of Regional Climate and Urban Development - an example from Sichuan(China)
- 116 Matthew Ashfold and Mohd Talib Latif
An Ozone-Climate Penalty in Greater Kuala Lumpur?
- 115 Foong Jeu Chang and Matthew Ashfold
Public Perceptions of Air Pollution and its Health Impacts in Greater Kuala Lumpur, Malaysia
- 15 Chong Liu and Tijian Wang
The Characteristics of High-Resolution Satellite Retrievals of Cloud Condensation Nuclei and its Relation with PM_{2.5} in Eastern China
- 29 Mohammad Saad, Yousif Abdalla Abakr and Khameel Bayo Mustapha
Wind Turbine Technology: A Strategy to Mitigate Air Pollution through Utilising Wind Energy
- 54 Nur Hidayah Zakaria, Siti Aekbal Salleh, Nurul Amirah Isa, Arnis Asmat, Nur Atiqah Hazali and Md Amirul Islam
Manifestation of the Urban Physical Structures Factors in Wind Loading Fluctuation
- 66 Hiroki Ono and Koichi Sada
Observation in a Numerical Sandbox of Neutral Atmospheric Boundary Layer
- 84 José Ignacio Huertas, David Sebastian Martinez and Daniel Fernando Prato
Effects of atmospheric stability conditions on pollutants dispersion near roads
- 96 Garima Kotnala, Tuhin Mandal and Sudhir Kumar Sharma
Estimation of Seasonal Variation in PM_{2.5}, Total Carbon and Organic Carbon Content Emanating from Biomass Burning
- Sota Konno, Kazuhiko Sekiguchi, Yuta Kurotsuchi, Kenshi Sankoda, Yutaka Matsumi, Kimiyo Kumagai, Takashi Fujino, Hiroshi Yoshikado, Yuji Fujitani, Nghiem Trung Dung,
- 112 Ly Bich Thuy, Nguyen Thi Thu Thuy and Pham Chau Thuy
Size-Segregated Chemical Characteristics of Atmospheric Suspended Particles in Hanoi, Vietnam

Wednesday 30th Oct (Day 3), 4-5.45pm (Session Chair: Bin Zou)

- 18 Xiaodong Xie and Tijian Wang
Numerical modeling of ozone damage to plants and its effects on atmospheric CO₂ in China
- 42 Bin Zou, Shenxin Li and Huihui Feng
Mitigating air pollution exposure risk in China: state responsibility versus individual efforts
- Nurul Amirah Isa, Siti Aekbal Salleh, Wan Mohd Naim Wan Mohd, Andy Chan, Maggie Chel Gee Ooi, Nur Hidayah Zakaria and Md Amirul Islam
Traffic Loads Effects on Ambient Temperature in the Kuala Lumpur City
- 86 Zulkifli Bakar, Irman Abdul Rahman and Anuar Ithnin
Dust concentration and awareness of safety and health among orthopedic clinic staffs in Hospital Kuala Lumpur, Malaysia: A cross-sectional study
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