Final Agenda for CCMI 2019 Science Workshop

7-9 August, Hong Kong
Room LT1A of the Cheng Yu Tung building
Chinese University of Hong Kong

(names in bold denote invited speakers)

Wednesday 7th August

Session 1: CCMI Workshop Overview		
09:00-09:10	Joe Lee and Amos Tai	Welcome
09:10-09:30	CCMI Co-chairs	Introduction CCMI / goals of the workshop
09:30-10:15	**Becky Alexander**	**Keynote 1:** Climate-driven changes in atmospheric oxidation capacity from ice-core observations and models
10:15-10:30	Lang Wang	Impacts of future land use & cover change on mid-21st-century surface ozone AQ
10:30-11:00	Coffee/tea	
Session 2: Observations		
11:00-11:20	**Simone Tilmes**	**Invited:** GeoMIP **[skype]**
11:20-11:40	**Martin Schultz**	**Invited:** TOAR II
11:40-11:55	Kuai Le	Attribution of the ozone band radiative flux bias in CCMI models from satellites
11:55-12:10	Natsumi Kawano	Long-term changes in tropospheric ozone in remote sites
12:10-12:30	**Eugene Rozanov**	**Invited:** HEPPA-SOLARIS
12:30-14:00	Lunch	
Session 3: Global and Regional Modelling		
14:00-14:20	**Rokjin Park**	**Invited:** GRIMS-CCM
14:20-14:35	Laura Revell	Simulating sulfate chemistry, aerosols and clouds over the Southern Ocean
14:35-14:50	Thabo Elias Makgoale	The sensitivity of temperatures in climate models to aerosol over southern Africa
14:50-15:05	Yeh Sang-Wook	Importance of interactive O_3 processes on the atmospheric circulation in GRIMsCCM
15:05-15:25	**Mian Chin**	**Invited:** ACAM
15:25-18:00	**Poster session 1 (with coffee/tea)**	
18:00	Workshop Dinner – Chung Chi College Staff Club Located on the CUHK campus, groups will be walking over at the end of the poster session	

Thursday 8th August

Session 4: Tropospheric Chemistry and Climate		
09:00-09:20	**Kohei Ikeda**	**Invited:** Uncertainties in black carbon simulations from source regions to the Arctic
09:20-09:35	Lee Murray	Isotopic constraint on the 20th-century increase in tropospheric ozone
09:35-09:50	Yuanhong Zhao	Inter-model comparison of global hydroxyl radical (OH)
09:50-10:00	**ALL**	Discussion
10:00-10:30	Coffee/tea	
Session 5: CCMI-2 PLANNING		
10:30-10:45	**Co-chairs**	Introduction to session
10:45-11:00	Olaf Morgenstern	Quo vadis CCMI? Plans for CCMI-2
11:00-12:30	**All**	**BREAKOUT GROUPS**
12:30-14:00	Lunch	
Session 6: Stratospheric Chemistry and Climate		
14:00-14:20	**Gabriel Chiodo**	**Invited:** Ozone-climate interactions
14:20-14:40	**Hella Garny**	**Invited:** Stratospheric circulation
14:40-14:55	Qing Liang	The impact of continuing CFC-11 emissions on the stratosphere
14:55-15:10	Roland Eichinger	Untangling lower stratospheric O_3 trends
15:10-15:25	Andrea Stenke	The QBO as driver of lower strat O_3
15:25-15:40	Seok-Woo Son	Tropospheric jet response to Antarctic ozone depletion
15:40-18:00	**Poster session 2 (with coffee/tea)**	

Friday 9th August

Session 7: Chemistry-Climate Impacts I		
09:00-09:45	**Jason West**	**Keynote:** Connecting climate change and air quality with human health
09:45-10:05	**Xerxes Seposo**	**Invited:** Impact of emission reductions on the global PM2.5-related health burden
10:05-10:20	Ka Ming Fung	Influences of Sustainable Farming Practices on Food Security, AQ, and Health
10:20-10:35	Steve Yim	Aerosol effects on deep convection and air quality in the Pearl River delta
10:35-11:00	Coffee/tea	
Session 8: CCMI-2		
11:00-12:30	**ALL**	**DISCUSSION**
12:30-14:00	Lunch	
Session 9: Chemistry-Climate Impacts II		
14:00-14:20	**Vinayak Sinha**	**Invited:** Agricultural fire emissions & AQ
14:20-14:40	**Sompoke Kingkae**	**Invited:** AQ modeling of biomass open burning in Northern Thailand
14:40-14:55	Suvarna Fadnavis	Asian monsoon transport [skype]
14:55-15:10	Hao Ye	Constraining future lower stratospheric H_2O trends
15:10-15:30	Co-Chairs	Final Discussion and Goodbye
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Poster Session One
For display from 10:30 Wednesday August 7th till 13:00 Thursday August 8th

Abstract No.	Last Name	First Name	Title
1.050	A. J.	Komkoua Mbienda	Potential effects of aerosols on the diurnal cycle of precipitation over Central Africa by RegCM4.4
1.038	Ahn	Dhahyun	Relationship between total ozone and meteorological factors over Antarctica
1.035	Alfahmi	Furqon	Atmospheric Composition Variability (CO2, O3, NO2) over Bogor City Indonesia and Its Relations with Monsoonal Rainfall and Social Activity
1.034	Amos	Matt	Weighted mean of Antarctic ozone from CCMI models based upon model performance and independence.
1.057	Baidourela	Aliya	Pollution characteristics of atmospheric particulates on expressway forest belts in Urumqi
1.058	Chiodo	Gabriel	The Overlooked Role of Stratospheric Ozone in forcing Northern Hemispheric climate (TORSO)
1.009	Gautam	Narayan Prasad	Climate change scenario of Nepal
1.043	Jain	Srishti	Seasonal variability of PM2.5 composition and sources: Long term study over Delhi region in India
1.036	Jung	Myung-Il	Evaluation of East Asian PM2.5 concentration in MERRA-2 GMI against in-situ observations
1.052	Ling	Xinying	$NO3^-$ circulation and associated driving factors in the unsaturated zone of southwestern Tengger Desert, Northwestern China
1.054	Liu	Li	Impact assessment of Picea koraiensis leaves exposed to fine particulate matters beside highway in Urumqi
1.026	Martínez Toxtle	David Sebastían	Effects of atmospheric stability conditions on pollutants dispersion near roads.
1.018	Nahian	Samiha	Characterization of Atmospheric Fine Particulate Matter at Indoor Environment of Several Residential Homes in Dhaka, Bangladesh

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Abstract No.	Last Name	First Name	Title
1.074	Neu	Jessica	Diagnostics of QBO-driven Decadal-Scale Variability Applied to the Whole Atmosphere Community Climate Model version 6.0
1.021	Ongoma	Victor	The Apparent Paradox of the East Africa Climate
1.042	Patra	Prabir Kumar	What can we learn from offline-chemistry simulation of CH3CCl3 using CCMI model OH
1.045	Pipal	Atar Singh	Carbonaceous aerosols and morphological features of atmospheric fine particles in urban environment of India
1.014	Rozanov	Evgueni	Study of the Ozone Layer Evolution in the past and future with ESM SOCOLv4
1.068	Sukhodolov	Timofei	Modelling of the atmospheric sulfur cycle from Pinatubo to the early 21st century
1.013	Thabethe	Nomsa Duduzile Lina	Assessing the Contribution of Fugitive Dust Emissions Generated from the Abandoned Coal Mine to the Lung Deposition Dose in the community of eMbalenhle, South Africa
1.025	Yamashita	Yousuke	The analysis of the Non-hydrostatic ICosahedral Atmospheric Model (NICAM)-Chem outputs and future plans for the CCMI-2
1.075	Zeb	Naila	Performance Evaluation of VAR Model to Forecast Atmospheric Carbon monoxide and Ozone over regions lacking air quality monitoring networks
1.076	Zhang	Ruhua	Influence of the Quasi-Biennial Oscillation on the Downward Extension of Stratospheric Northern Annular Mode Anomalies

Poster Session Two
For display from 14:00 Thursday August 8th till 16:00 Friday August 9th

Abstract No.	Last Name	First Name	Title
1.069	Ahirwar	Sanjeev Kumar	Characterization of Ambient Aerosols over Naya Raipur -Central India
1.030	Akiyoshi	Hideharu	An indication of low ozone anomaly in Arctic spring in the QBO-westerly and solar-minimum years
1.022	Ayugi	Brian	Inter-comparison of remotely sensed precipitation datasets over Kenya during 1998-2016
1.067	Dennison	Fraser	Improving the simulation of stratospheric ozone in the UKCA model
1.055	Hu	Mengling	Effects of Dust Removal on the Photosynthetic Rate and Water Consumption Characteristics of Akesu Fruit Tree Leaves
1.044	Goel	Vikas	Variation in Chemical and Physical Properties of Dust particles in Urban Environment
1.032	Han	Bo-Reum	Impacts of stratospheric ozone and greenhouse gas changes on the Southern Hemisphere surface climate changes in the CCMI-1 models
1.011	Hashmi	Muhammad Zaffar	Spatio-temporal trends and climatology of atmopsheric chlorinated hydrocabons over Pakistan
1.037	Jain	Shipra	Diagnosis of the Impact of Interactive Stratospheric Chemistry on Climate Sensitivity Using a New Graphical Tool and a Proposal of Model Inter-Comparison
1.039	Jeong	Yong-Cheol	Connections of ozone concentration change in the low-latitudes and Arctic Oscillation
1.051	Leung	Felix	Ozone garden: an experiment to examine the harmful effects of urban air pollution on ecosystems in south china
1.070	Lopez	Ana Isabel	Evaluating the regional impacts of anthropogenic and natural emissions over South America

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Abstract No.	Last Name	First Name	Title
1.010	Mool	Enna	Traffic Conditions and Emission Factors from Diesel Vehicles within the Kathmandu Valley
1.004	Nagashima	Tatsuya	On the representation of seasonal cycle in surface ozone in East Asia by global and regional chemical transport models
1.016	Park	Sunmin	Evaluation of tropospheric ozone in the five reanalysis datasets over East Asia
1.040	Peter	Thomas	Evaluation of a simple equilibrium scheme for polar stratospheric clouds in the CCM SOCOLv3 by comparison with CALIPSO lidar measurements
1.020	Shahid	Muhammad Zeeshaan	Case study of air quality during winter season over northeastern Pakistan during 2007 to 2015
1.019	Singh	Prashant	Systematic evaluation of performance and bias of a mesoscale Chemistry Transport Model (WRF-Chem) over High altitude locations in Himalaya
1.006	Tariq	Salman	Spatio-temporal variability of absorbing aerosols over northern and southern Pakistan
1.071	Verma	Puneet Kumar	Octanol-air and physical adsorption partitioning of atmospheric Polycyclic Aromatic Hydrocarbons (PAHs) and Nitro-PAHs at rural residential site in Agra, India
1.056	Zhang	Chun Xi	Pollution characteristics of PM2.5 and PM10 in the forest belt of Urumqi and its impact factors
1.033	ZILKER	Franziska	Towards an improved representation of tropospheric ozone in CCM SOCOLv3.1