



WSN16

**WMO WWRP 4th International
Symposium on Nowcasting and
Very-short-range Forecast 2016**

25-29 July 2016, Hong Kong



WSN16 臨近預報



PROGRAMME BOOK



TABLE OF CONTENTS

Messages from representatives of WMO, HKO, HKMetS and CUHK	1
About WSN and the Organisers	3
Registration and Transfer Arrangements	5
Venue, Inclement Weather and Acronyms	6
Programme Schedule	
Monday, 25 July 2016	7
Tuesday, 26 July 2016	8
Wednesday, 27 July 2016	9
Thursday, 28 July 2016	10
Friday, 29 July 2016	11
Posters	12
Information on Excursions and Official Banquet	13
Local Information	14
List of local useful telephone numbers and website addresses	16
Map of CUHK	17
Map of Hong Kong	18



<http://wsn16.hk/>



Find us on  WSN16HK



DEON E. TERBLANCHE

Co-Director, Research Department, World Meteorological Organization

On behalf of Professor Petteri Taalas, Secretary-General of the World Meteorological Organization (WMO), I am highly privileged to welcome the participants to the WMO WWRP 4th International Symposium on Nowcasting and Very-short-range Forecast 2016 (WSN16) and express our deep appreciation to Mr CM Shun, Director of the Hong Kong Observatory for hosting the symposium.

WMO is the United Nations system's authoritative voice on the state and behaviour of the Earth's atmosphere, its interaction with the oceans, the climate it produces and the resulting distribution of water resources. At the core of WMO's mission lays the protection of life and property through the provision of weather and climate services, as a prerequisite for sustainable development.

The mission of the WMO World Weather Research Programme (WWRP) is to advance society's ability to cope with high-impact weather. This is achieved through research focused on improving the accuracy and utilisation of weather prediction techniques. Given the importance of nowcasting, the WWRP strategy supports an active research program aimed at advancing the science of nowcasting and meso-meteorology for use by Members within the WMO framework. This is the 4th nowcasting symposium organised and supported by WWRP. It traditionally provides the largest international forum devoted primarily to exploring opportunities for improving the science of very-short-range forecasting.

WMO therefore looks forward to the deliberations and outcomes of this symposium and in working together to address the issues at hand.

Thank you.



C.M. SHUN

*Director, Hong Kong Observatory
Chair, Hong Kong Meteorological Society
President, Commission for Aeronautical Meteorology, WMO
Permanent Representative of Hong Kong, China with WMO*

Welcome to Hong Kong!

The Hong Kong Observatory (HKO) is pleased to host the 4th WMO International Symposium on Nowcasting and Very-short-range Forecast in Hong Kong in cooperation with the Hong Kong Meteorological Society. Nowcasting and mesoscale numerical modelling are currently among the most active research areas in meteorology.

I am delighted to know that more than 150 scientists from all over the world are gathering together in this Symposium to present their latest research results on nowcasting and mesoscale modelling technologies. Apart from these main themes, this year's Symposium also includes a special theme on aviation nowcasting. This is an emerging subject which requires significant efforts in advancing the nowcasting and modelling technologies so as to meet the needs of the next generation global aviation in the next 15 years and beyond. I am very pleased to have the participation of air traffic management and airlines representatives to share with us their expectations from end-users' perspective so as to build a bridge for effective transition of nowcasting research into applications. I look forward to a successful and fruitful Symposium.

Last but not the least, I would like to thank The Chinese University of Hong Kong for providing support and arranging great conference facilities in this beautiful campus for holding the Symposium.



FUNG TUNG

*Associate Vice-President, The Chinese University of Hong Kong
Associate Director (Administration), Institute of Environment,
Energy and Sustainability (IEES)
Professor, Department of Geography and Resource Management*

I have great pleasure in welcoming you to the WMO WWRP 4th International Symposium on Nowcasting and Very-short-range Forecast 2016 (WSN16) to be held at The Chinese University of Hong Kong (CUHK).

The WSN16 is the first WMO WWRP meeting on nowcasting to be held in Hong Kong SAR, where rapid economic development and urbanization are taking place. Occurrence of severe weather events causes considerable disruptions to our social and economic activities. Nowcasting and Very-short-range prediction of severe weather events present stiff challenges to our forecasters and decision makers. Advancements in the accuracy of such short-term forecasts are therefore of significant benefit to our society.

I wish the WSN16 every success. May all participants have fruitful exchanges with each other throughout the week.

ABOUT WSN AND THE ORGANISERS

The WMO/WWRP 4th International Symposium on Nowcasting and Very-short-range Forecast (WSN16) will be held in Hong Kong, China, from 25-29 July 2016. The Symposium is jointly organized by WMO/WWRP, Hong Kong Observatory (HKO), the Hong Kong Meteorological Society (HKMetS) and Institute of Environment, Energy and Sustainability (IEES) of The Chinese University of Hong Kong (CUHK). The theme of WSN16 is "From Nowcasting and Mesoscale Modelling Sciences to Services". Nowcasting is commonly regarded as an end-to-end forecasting process for high impact weather via providing rapidly updated, high precision meteorological products and services from data collection to the end users. The Symposium aims at examining the current state-of-art nowcasting and very-short-range forecast capabilities, the emerging observation technologies, applications and services, verification and societal impacts in the 0-6 hour time frame.

PROGRAMME COMMITTEE

Chair:	Ping-wah Peter Li (Hong Kong, China)	
Members: <i>(in alphabetical order by surname)</i>	Stephane Belair (Canada)	Estelle de Coning (South Africa)
	Jun Du (USA)	Brian Golding (UK)
	Steve Goodman (USA)	Paul Joe (Canada)
	Marion Mittermaier (UK)	Nicolas Gaussiat (France)
	Jeanette OnvLee (Netherlands)	Kazuo Saito (Japan)
	Alan Seed (Australia)	Jenny Sun (USA)
	Jianjie Wang (China)	Yong Wang (Austria)
	Isztar Zawadzki (Canada)	

LOCAL ORGANISING COMMITTEE

Chair:	Wai-kin Wong (HKO)	
Members: <i>(CUHK/IEES)</i>	Ngar-cheung Gabriel Lau Nim-han Connie Wong	Po-yee Corliss Tsui
Members: <i>(HKO)</i>	Ping-wah Peter Li Ping Cheung Sau-ha Wong, Sara Ho-lun Tsui Chin-ming Lo Yee-ting Tam, Junella	Wang-chun Woo Ho-yin Leung Yee-ki Cheung, Jacqueline Ngo-hin Chan, Gary Hoi-lam Yeung, Tony
Secretariat <i>(Swire Travel)</i>	Candy Au	Elace Wong



WORLD METEOROLOGICAL ORGANISATION (WMO)

<http://public.wmo.int/>

World Meteorological Organisation (WMO) is a specialized agency of the United Nations (UN) with 191 Member States and Territories. It is the UN system's authoritative voice on the state and behaviour of the Earth's atmosphere, its interaction with the land and oceans, the weather and climate it produces and the resulting distribution of water resources. As weather, climate and the water cycle know no national boundaries, international cooperation at a global scale is essential for the development of meteorology and operational hydrology as well as to reap the benefits from their application. WMO provides the framework for such international cooperation.



THE CHINESE UNIVERSITY OF HONG KONG (CUHK)

<http://www.cuhk.edu.hk/>

Founded in 1963, The Chinese University of Hong Kong (CUHK) is a forward-looking comprehensive research university with a global vision and a mission to combine tradition with modernity, and to bring together China and the West. CUHK distinguishes itself with its firmly rooted Chinese culture, bilingualism and multiculturalism, and the unique college system. With the endeavor over the past half century, CUHK has become a regional leader with a global reputation. The University is committed to teaching and research excellence, as well as grooming the moral character of the students.



INSTITUTE OF ENVIRONMENT, ENERGY AND SUSTAINABILITY (IEES)

<http://www.cuhk.edu.hk/iees/>

Established in 2011, the Institute of Environment, Energy and Sustainability (IEES) aims at promoting multidisciplinary research and education, and building synergy for strategic research programme development. IEES will work closely with industrial, government and non-government organizations as well as different community stakeholders to build a better environment for our future generations.



THE HONG KONG OBSERVATORY (HKO)

<http://www.hko.gov.hk/>

The Hong Kong Observatory (HKO) is a department of the Government of the Hong Kong Special Administrative Region responsible for monitoring and forecasting weather, as well as issuing warnings on weather-related hazards. HKO also monitors and assesses radiation levels in Hong Kong, and provides other meteorological and geophysical services to meet the needs of the public and the shipping, aviation, industrial and engineering sectors.



HONG KONG METEOROLOGICAL SOCIETY (HKMETS)

<http://www.meteorology.org.hk/>

Hong Kong Meteorological Society (HKMetS) was established in 1988 with aims to develop and disseminate knowledge of meteorology and related oceanic, hydrologic and geographic sciences (hereinafter "Meteorology"); promote and advance the professional application of Meteorology; encourage collaboration amongst Members of the Society, individuals, bodies both corporate and non-corporate who may share the Society's interest in Meteorology; and promote among the public an understanding of weather and an appreciation of the value of Meteorology and its applications.

REGISTRATION

Please present your on-line registration confirmation to collect your name badge at the our registration counters which will be set-up in the Foyer on Ground Floor of Yasumoto International Academic Park and accessible at the following hours:

25 July (Monday)	08:00 – 17:00	28 July (Thursday)	08:30 – 17:30
26 July (Tuesday)	08:30 – 17:30	29 July (Friday)	08:30 – 16:00
27 July (Wednesday)	08:30 – 13:00		

TRANSFER ARRANGEMENTS

Daily shuttle transfers to and from Yasumoto International Academy (YIA), The Chinese University of Hong Kong (CUHK) will be provided for residents of Marriot by Courtyard, Regal Riverside and Royal Park hotels.

The morning pick-up schedule is as follow. Please wait at the hotel lobby about 5 minutes prior to the departure time.

DAILY, JULY 25 – 29	
08:15	Departs from Royal Park Hotel
08:20	Departs from Regal Riverside Hotel
08:30	Departs from Courtyard by Marriot Hotel
08:45	Arrives at YIA, CUHK

The evening drop-off schedule is as follow:

DATE	TIME
July 25, Mon	19:00
July 26, Tue	17:30, 19:00
July 28, Thur	17:30, 19:00
July 29, Fri	16:00, 17:30

***Departs from the front door of YIA, CUHK**

Drop-off points: Courtyard by Marriot Hotel, Regal Riverside Hotel, Royal Park Hotel

Excursions and official banquet will be held on July 27, Wednesday. Coaches will depart from YIA at 14:00. Participants joining excursions will be taken to Federal Cruise Banquet Centre directly after excursions. For those joining the official banquet but not any excursion, a coach will pick up at the following schedule:

JULY 27, WEDNESDAY	
17:30	Departs from Hyatt Regency Shatin Hotel
17:40	Departs from Courtyard by Marriot Hotel
17:45	Departs from Regal Riverside Hotel
17:55	Departs from Royal Park Hotel
18:30	Arrives at Federal Cruise Banquet Centre

If you travel to Federal Cruise Banquet Centre by own means, please refer to maps and instructions on the websites of Federal Cruise Banquet Centre (<http://www.fedresthk.com/cruise/>) or Kai Tai Cruise Terminal (<http://www.kaitakcruiseterminal.com.hk/>).

After the banquet, transport arrangement will be made to transfer participants back to the 4 conference hotels and MTR stations (Kowloon Bay, Mong Kok and Tsim Sha Tsui).

The above schedules are subject to changes. Please note announcements made in the conference and on the WSN16 Facebook page (<https://www.facebook.com/wsn16hk>).

VENUE, INCLEMENT WEATHER AND ACRONYMS

SYMPOSIUM VENUE

WSN16 is held at LT1, LT2 and Foyer of Yasumoto International Academy (YIA) of The Chinese University of Hong Kong, Shatin, New Territories, Hong Kong.

General Enquiries of CUHK: (852) 3943 7000 / (852) 3943 6000



ARRANGEMENT OF THE EVENTS UNDER INCLEMENT WEATHER

When the Hong Kong Observatory issues the Tropical Cyclone Warning Signal No. 8 or above, or Black Rainstorm Warning Signal before 8:00HKT (13:00HKT), morning (afternoon) conference activities will be cancelled. For warnings in effect, if the warning signal is cancelled before 08:00 HKT (13:00 HKT), conference activities scheduled for the morning (afternoon) will be convened as normal, otherwise they will be cancelled. If a particular session/activity has already commenced when the warning signal is issued, that session/activity will continue as scheduled until further notice from the local organising committee (LOC).

Depending on the circumstances, the LOC will announce the time and venue for the re-arranged or make-up session(s) on the conference website (<https://wsn16.hk>) and the WSN16 Facebook page (<https://www.facebook.com/wsn16hk>). Special events such as cocktail reception, excursions and the official banquet may or may not be rescheduled when cancelled. Latest updates on tropical cyclone or rainstorm warning are available on the Hong Kong Observatory's website www.hko.gov.hk or the "My Observatory" mobile apps.

ACRONYMS

AEMET	Agencia Estatal de Meteorología	HKO	Hong Kong Observatory
ASECNA	Agence pour la Sécurité de la Navigation Aérienne en Afrique et à Madagascar	IEES	Institute of Environment, Energy and Sustainability
ATMB	Air Traffic Management Bureau of Civil Aviation Administration of China	IMD	India Meteorological Department
AvRDP	Aviation Research Demonstration Project	JMA	Japan Meteorological Agency
BoM	Bureau of Meteorology, Australian Government	KMA	Korea Meteorological Administration
CAD	Civil Aviation Department of Hong Kong	NCAR	National Center for Atmospheric Research
CAeM	Commission for Aeronautical Meteorology	NESDIS	The National Environmental Satellite, Data, and Information Service
CAPS/OU	Center for Analysis and Prediction of Storms / University of Oklahoma	NIMET	Nigerian Meteorological Agency
CIMA	Centro de Investigaciones del Mar y la Atmosfera	NMC	National Meteorological Center, CMA
CMA	China Meteorological Administration	NMRWG	Nowcasting and Mesoscale Research Working Group
CPTEC/INPE	Centro de Previsão de Tempo e Estudos Climáticos / Instituto Nacional de Pesquisas Espaciais	NOAA	National Oceanic and Atmospheric Administration
CUHK	The Chinese University of Hong Kong	UKMO	UK Meteorological Office
HKMetS	Hong Kong Meteorological Society	WMO	World Meteorological Organization
		WWRP	World Weather Research Programme
		YIA	Yasumoto International Academy
		ZAMG	Zentralanstalt für Meteorologie und Geodynamik

PROGRAMME SCHEDULE - Monday, 25 July 2016

Session	Time	Activity / Topics	Speaker	Organization	Author/Co-author(s)
OC (LT1) Opening Ceremony	08:40 -09:10	Registration and Badges			
	09:10 -09:15	Opening Speech	CM SHUN	HKO, HKMetS, WMO CAeM	
	09:15 -09:20	CUHK Welcome Speech	Tung FUNG	CUHK	
	09:20 -09:40	WMO Welcome Speech and WWRP Overview	Alexander BAKLANOV	WMO WWRP	
	09:40 -10:00	NMRWc Overview	Jeanette ONVLEE	WMO NMRWG	
	10:00 -10:20	Global Aviation Trend and Nowcasting/Mesoscale Modelling Requirements	CM SHUN / Sharon SY LAU	HKO, WMO CAeM	
	10:20 -10:30	Group Photo			
	10:30 -11:00	Tea/Coffee Break			
M1 (LT1) Plenary Session	11:00 -11:30	Keynote #1: Reducing the cost of disasters: opportunities and challenges for nowcasting	Brian GOLDING	UKMO	
	11:30 -12:00	Keynote #2: Status and Challenges in Nowcasting High Impact Weather	Rita ROBERTS	NCAR	
	12:00 -12:30	Keynote #3: Nowcasting, Transition and Mesoscale modelling requirements in next generation air navigation service provision	Herbert PUEMPEL	Austro Control	
	12:30 -13:40	Lunch			
M2A (LT1) Parallel Session	13:40 -14:00	Rainfall Nowcasting using Burgers' equation	Gyu Won LEE	Kyungpook National University	Soorok RYU
	14:00 -14:20	Thunderstorm identification, tracking and nowcasting using lightning data	Kanghui ZHOU	NMC, CMA	Yongguang ZHENG
	14:20 -14:40	Thunderstorm Forecasting in Very-Short-Range over ABUJA	Bernard ALILONU	NIMET	
	14:40 -15:00	A simple 1D numerical model for operational nowcasting of sea breeze at the Hong Kong International Airport	Ping CHEUNG	HKO	Shu-yan TANG
	15:00 -15:20	Instability Indices and forecasting Mesoscale Thunderstorms for BIA Airport	T.M.N. PEIRIS	Department of Meteorology	
M2B (LT2) Parallel Session	13:40 -14:00	GOES-R Rapid Refresh Imagery Capabilities for Nowcasting High Impact Weather	Steven GOODMAN	NOAA/NESDIS	Daniel LINDSEY, Timothy SCHMIT
	14:00 -14:20	A radar network and products to better detect and forecast severe weather in France.	Nicolas GAUSSIAT	Météo France	Clotilde AUGROS, Daniel IDZIOREK, Jean-Marc MOISSELIN
	14:20 -14:40	One Billion Observing Sites Around the World: Will Smartphone Pressures Revolutionize Nowcasting?	Clifford MASS	University of Washington	Luke MADDAUS, Conor MCNICHOLAS
	14:40 -15:00	Why is thermodynamic profiling essential for improving the performance of nowcasting systems?	Volker WULFMEYER	University of Hohenheim	Andreas BEHRENDT
	15:00 -15:20	Future Nowcasting SAF products for the Meteosat Third Generation Infrared Sounder (MTG-IRS)	Xavier CALBET	AEMET	Miguel Angel MARTINEZ
	15:20 -15:50	Tea/Coffee Break & Setup for Poster Batch #A			
M3A (LT1) Parallel Session	15:50 -16:10	Enhanced use of Radar and Satellite data within the INCA Analysis and Nowcasting System	Benedikt BICA	ZAMG	Ingo MEIROLD-MAUTNER, Alexander KANN, Yong WANG
	16:10 -16:30	SCOPE-Nowcasting – Introduction, Overview and Next Steps	Alexander BAKLANOV	BoM	Anthony REA, Stephan BOJINSKI
	16:30 -16:50	Tokyo Metropolitan Area Convection Study for Extreme Weather Resilient Cities (TOMACS): Lessons and outcome	Kazuo SAITO	Meteorological Research Institute	Tsuyoshi NAKATANI, Ryohei MISUMI, Yoshinori SHOJI, Hiromu SEKO, Naoko SEINO
	16:50 -17:10	Convection Products of SAFNWC	Jean-Marc MOISSELIN	Météo-France Nowcasting Department	Frédéric AUTONES
	17:10 -17:30	Analysis of Near-storm Vertical Wind Shear for Local Severe Rainfall of the Southwest Low Vortex in China	Yaping ZHANG	Chongqing Meteorological Observatory	Rong MU, Yong ZHANG
M3B (LT2) Parallel Session	15:50 -16:10	Update of the Aviation Research Demonstration Project (AvRDP) Phase I over Hong Kong International Airport	Peter Ping-wah LI	HKO	Ping CHEUNG
	16:10 -16:30	AvRDP: Progress at Shanghai Hongqiao Airport	Fungyun WANG	ATMB	
	16:30 -16:50	Did Weather play a key role for the crash of Air Asia Flight QZ 8501? A Review!	Anupam KUMAR	Nanyang Technological University	
	16:50 -17:10	The Aviation Model – sub-km short-term forecasting at the Hong Kong International Airport	Kai-kwong HON	HKO	
	17:10 -17:30	Bad Weather and Aircraft accidents- Global vis-à-vis Indian scenario	Rajendra Kumar JENAMANI	IMD	
	17:30 -17:50	Thunderstorms, Dust storms and intense rainfall Monitoring and Nowcasting at Delhi(IIGIA) during 2010-2015	Rajendra Kumar JENAMANI	IMD	
	18:00 -19:00	Cocktail Reception			

PROGRAMME SCHEDULE - TUESDAY, 26 JULY 2016

Session	Time	Activity / Topics	Speaker	Organization	Author/Co-author(s)
T1 (LT1) Plenary Session	09:00 -09:30	Keynote #4: Overview of WMO Aviation Research Demonstration Project	Peter Ping-wah LI	HKO	
	09:30 -10:00	Keynote #5: Latest Nowcasting Technology for Aviation	George ISAAC	Weather Impacts Consulting Inc.	
	10:00 -10:30	Keynote #6: 0-12H VSR forecasting and nowcasting review and plan in CMA	Xiaoling ZHANG	CMA	
	10:30 -10:50	Poster Madness #A	<i>Poster Authors #A</i>		
	10:50 -11:20	Tea/Coffee Break			
T2A (LT1) Parallel Session S1: Forecasting of high impact weather in very-short-range	11:20 -11:40	A deep-learning method for precipitation nowcasting	Wai-kin WONG	HKO	Xing Jian SHI, Dit Yan YEUNG, Wang-chun WOO
	11:40 -12:00	Use of improved remote sensing data for a better nowcasting of severe weather events	Tim BÖHME	Deutscher Wetterdienst	
	12:00 -12:20	Research on lightning nowcasting and warning system and its evaluation experiment	Wen YAO	Chinese Academy of Meteorological Sciences	YiJun ZHANG, Qing MENG, WeiTao LV
	12:20 -12:40	Nowcasting Systems Developed for the City of Seattle	Clifford MASS	University of Washington	Jeff BAARS
	12:40 -13:00	Effects of hot towers and middle-level mesoscale vortex on the southwest vortex formation in Sichuan basin of southwest China	Danhua ZHAI	Chongqing Institute of Meteorological Sciences; CAPS, UO; Chongqing Meteorological Observatory	Chengzhi DENG, Song GAO, Zejun DAI, Fanyou KONG, Yong ZHANG
T2B (LT2) Parallel Session S11: Special Session - CAS/ CAeM Aviation Research Demonstration Project (AvRDP)	11:20 -11:40	Air traffic management and weather: the potential of an integrated approach	Martin STEINHEIMER	Austro Control	Carlos GONZAGA-LOPEZ, Christian KERN, Martin MAYR, Markus KERSCHBAUM, Carl-Herbert ROKITANSKY
	11:40 -12:00	Nowcasting for aviation purposes in South Africa – a case study : Part1 – Satellite and radar based tools	Estelle DE CONING	South African Weather Service	Craig POWELL, Jacques STRYDOM
	12:00 -12:20	Nowcasting for aviation purposes in South Africa – a case study : Part2 Evaluating the HKO's SWIRLS over OR Tambo International Airport	Erik BECKER	South African Weather Service	
	12:20 -12:40	AvRDP: First Results from Toronto Pearson International Airport	Janti REID	Environment and Climate Change Canada	Robert CRAWFORD, Bjarne HANSEN, Laura HUANG, Paul JOE, David SILLS
	12:40 -13:00	Development of an Integrated Fog Information System for Delhi (IGI Airport) and its Performance during 2008-2016	Rajendra Kumar JENAMANI	IMD	
	13:00 -14:10	Lunch			
T3 (LT1) Plenary Session	14:10 -14:40	Keynote #7: Seamless ensemble prediction for civil protection: from week to minutes	Yong WANG	ZAMG	
	14:40 -15:10	Keynote #8: AvRDP/Nowcasting in Africa	Estelle DE CONING	South African Weather Service	
	15:10 -15:40	Keynote #9: South America Nowcasting	Cynthia Mariana MATSUDO	National Meteorological Service	
	15:40 -16:10	Tea/Coffee Break			
T4 (Foyer) Poster Session #A	16:10 -17:20	Posters #A	<i>Poster Authors #A</i>		
T5 (LT2) Evening School	17:30 -19:00	Evening School #1: Introduction to Radar-based Nowcasting *	Wang-chun WOO	HKO	

* Young scientists are encouraged to attend.

PROGRAMME SCHEDULE - WEDNESDAY, 27 JULY 2016

Session	Time	Activity / Topics	Speaker	Organization	Author/Co-author(s)
W1 (LT1) Plenary Session	09:00 -09:30	Keynote #10: Latest Satellite Applications to Nowcasting	Steve GOODMAN	NOAA/NASA	
	09:30 -10:00	Keynote #11: The Nowcasting SAF: satellite derived products on support to Nowcasting. Challenges and opportunities of the new era of EUMETSAT satellites	Pilar RIPODAS	AEMET	
	10:00 -10:30	Keynote #12: Himawari-8 current applications and future development	Hiroshi SUZUE	JMA	
	10:30 -11:00	Tea/Coffee Break & Poster Teardown #A / Setup #B			
W2A (LT1) Parallel Session S1: Forecasting of high impact weather in very-short-range S9: Socio-economic impact	11:00 -11:20	A real-time hydrometeorology research testbed for heavy rainfall and streamflow prediction	Rita ROBERTS	NCAR	James WILSON, Daniel MEGENHARDT, Jenny SUN, David Gochis, Amanda ANDERSON
	11:20 -11:40	Analysis and Numerical Simulation using ASAPS of the Localized Heavy Precipitation Event in South Korea on 16 August 2015	Joon-Woo ROH	Urban Meteorology Convergence Service Development Laboratory, WISE Institute, Hankuk University of Foreign Studies	Young-Joon KIM, Jae-Sik MIN
	11:40 -12:00	Numerical simulation of a prolonged rainstorm in Hong Kong on 22 July 2015	Yan-chun CHAN	HKO	Wai-kin WONG
	12:00 -12:20	Observing Water Vapor Variability during Heavy Precipitation Events in Hong Kong by GPS Tomography	Biyang CHEN	Department of Land Surveying & Geo-Informatics, The Hong Kong Polytechnic University	Zhizhao LIU, Wai-kin WONG, Wang-chun WOO
	12:20 -12:40	High Resolution Numerical Modelling of a distinct extreme weather event, 'Cold Surges' near the Hong Kong region	Anupam KUMAR	Nanyang Technological University	Edmond LO, Adam SWITZER
	12:40 -13:00	Study on Temporal and Spatial Distribution Characteristics of Short-duration Heavy Rainfall in Sichuan and Chongqing during the Warm Season	Qiang LI	Chongqing Meteorological Observatory	Chengzhi DENG
W2B (LT2) Parallel Session S4: Integration of nowcast and mesoscale NWP	11:00 -11:20	Blending of Multi-Sensing Nowcasting System and NWP Output to Improve Aviation Significant Convection Forecast	Ping CHEUNG	HKO	
	11:20 -11:40	An Integrated Rapid Multi-Scale Analysis and Prediction System (RMAPS-IN) and its Preliminary Performance Evaluation	Min CHEN	Institute of Urban Meteorology, Beijing, CMA	Conglan CHENG, Mingxuan CHEN, Feng GAO, Lingye SONG, Yong WANG
	11:40 -12:00	Nowcasting with a dedicated mesoscale model and with a radar-NWP fusion technique	Jean-Marc MOISSELIN	METEO-FRANCE	Joel HOFFMAN, Nicolas MERLET
	12:00 -12:20	Improving very short range precipitation forecasting over a tropical region	Sijin ZHANG	Meteorological Service Singapore	Xiang-Yu HUANG, Bruce MACPHERSON, Martin MCMILLAN
	12:20 -12:40	On use of LHN method to assimilate the intensified surface precipitations for GRAPES_Meso model initialization	Yali WU	Guangzhou Institute of Tropical and Marine Meteorology	Dehui CHEN
	12:40 -13:00	Merging radar nowcast with convection-permitting, rapidly-updated NWP model for significant convection forecast	Wai-kin WONG	HKO	
	13:00 -14:00	Lunch			
	14:00 -18:00	Excursion			
	18:00 -21:00	Official Banquet (see Page 13)			

PROGRAMME SCHEDULE - THURSDAY, 28 JULY 2016

Session	Time	Activity / Topics	Speaker	Organization	Author/Co-author(s)	
H1 (LT1) Plenary Session	09:00 -09:30	Keynote #13: Mesoscale Modelling in Nowcasting	Wai-kin WONG	HKO		
	09:30 -10:00	Keynote #14: ATM expectation from AvRDP	Peter CHADWICK	CAD		
	10:00 -10:30	Keynote #15: Airline expectation from future MET support	Jonathan REBBECK	Cathay Pacific Airways		
	10:30 -10:50	Poster Madness #B	<i>Poster Authors #B</i>			
	10:50 -11:20	Tea/Coffee Break				
H2A (LT1) Parallel Session S3: Advances on mesoscale NWP model, data assimilation, ensemble prediction	11:20 -11:40	SWAN – The Operational System for Nowcasting and Very-short Range Forecast in CMA	Dongyan MAO	NMC, CMA	Yuanyan ZHENG, Yerong FENG, Bo YANG, Feng HAN, Feng XUE, Hongyan WANG, Yufa WAN, Yongguang ZHENG, Sehng HU, Fuyou TIAN	
	11:40 -12:00	A comparative study on the genesis of North Indian Ocean cyclone Madi (2013) and Atlantic Ocean cyclone Florence (2006)	Rajasree VPM	National Atmospheric Research Laboratory	Amit P KESARKAR, Jyoti N BHATE, Umakanth UPPARA, Vikas SINGH	
	12:00 -12:20	gSREPS The New Mesoscale Multimodel Ensemble Prediction System in Spain	Jose A. GARCIA-MOYA	AEMET	Alfons CALLADO, Pau ESCRIBA, Carlos SANTOS	
	12:20 -12:40	OSSEs Stormscale Radar Data Assimilation with an Ensemble of 3DVAR system	Jidong GAO	NOAA/National Severe Storm Laboratory	Chenghao FU, David STENSRUD, Jack KAIN	
H2B (LT2) Parallel Session S8: Verification and Validation	11:20 -11:40	Validation of a 3D Radar Mosaic using STEPS	Robert SCOVELL	UKMO		
	11:40 -12:00	On the Verification of Thunderstorm MetObjects During the 2015 Toronto Games	Janti REID	Environment and Climate Change Canada	David SILLS, Norbert DRIEDGER, Emma HUNG, Dominique BRUNET	
	12:00 -12:20	Inter-comparison of spatial verification for landing typhoon precipitation forecast	Bin ZHAO	NMC, CMA		
	12:20 -12:40	Simulated satellite imagery: verifying NWP model analyses and short range forecasts against satellite observations.	Thomas BLACKMORE	UKMO	Roger SAUNDERS, Simon KEOGH	
	12:40 -14:00	Lunch				
H3A (LT1) Parallel Session S3: Advances on mesoscale NWP model, data assimilation, ensemble prediction	14:00 -14:20	A Cycled EnKF and Storm-Scale Ensemble Forecasting Experiment	Fanyou KONG	CAPS, UO	Ming XUE, Youngsun JUNG, Keith BREWSTER	
	14:20 -14:40	Simulation of significant convective weather processes using fine-resolution NWP model	Wai-kin WONG	HKO		
	14:40 -15:00	Genesis of tropical cyclone Madi (2013): Appraisal of recent understanding	Rajasree VPM	National Atmospheric Research Laboratory	Amit P Kesarkar, Jyoti N BHATE, Umakanth UPPARA, Vikas SINGH	
	15:00 -15:20	Radar data quality control, national radar network mosaic and its application with cloud analysis in GRAPES_CR	Yuan JIANG	NMC, CMA	Liping HUANG	
	15:20 -15:40	Design of a high-resolution ensemble prediction system for Argentina	Cynthia Mariana MATSUDO	National Meteorological Service	Luciano Vidal, Juan José Ruiz, María Paula Hobouchian, María Eugenia Dillon, Yanina García Skabar, Paola Salio	
H3B (LT2) Parallel Session S5: Urban meteorology S10: WMO/WWRP Nowcasting-Mesoscale FDP/RDP	14:00 -14:20	The Canadian Urban km and sub km-scale numerical weather prediction System	Stephane BELAIR	Environment Canada	Sylvie LEROYER	
	14:20 -14:40	The Environment Canada Pan Am Science Showcase for Severe Weather, Air Quality and Health Nowcasting in an Urban Environment	Stephane BELAIR	Environment and Climate Change Canada	Paul JOE	
	14:40 -15:00	EUMETNET ASIST: A joint initiative on European-wide nowcasting	Benedikt BICA	ZAMG	Yong WANG, Ingo MEIROLD-MAUTNER, Alexander KANN	
	15:00 -15:20	Weather warnings: HIWeather and the science needed for future resilience	Brian GOLDING	UKMO		
	15:20 -15:40	Introduction to the ICE-POP 2018	Sangwon JOO	KMA		
	15:40 -16:10	Tea/Coffee Break				
H4 (Foyer) Poster Session #B	16:10 -17:20	Poster Session #B	<i>Poster Authors #B</i>			
H5 (LT2) Evening School	17:30 -19:00	Evening School #2 : Introduction to Satellite Applications in Nowcasting *	Steve GOODMAN	NOAA/NESDIS		

* Young scientists are encouraged to attend.

PROGRAMME SCHEDULE - FRIDAY, 29 JULY 2016

Session	Time	Activity / Topics	Speaker	Organization	Author/Co-author(s)
F1 (LT1) Plenary Session	09:00 – 09:30	Keynote #16: Verification for nowcasting, with some focus on aviation	Barbara BROWN	NCAR	
	09:30 – 10:00	Keynote #17: Seamless nowcasting and modeling" (including ultra-high resolution model and blending with nowcasting)	Kazuo SAITO	JMA	
	10:00 – 10:30	Keynote #18: Urban Meteorology and GURME overview	Alexander BAKLANOV	WMO	
	10:30 – 11:00	Tea/Coffee Break & Poster Teardown #B			
F2A (LT1) Parallel Session	11:00 – 11:20	A Real Time Forecast Trial using Convective NWP in Australia	Peter STEINLE	BoM	Susan RENNIE, Yi XIAO, Alan SEED, Aurora BELL
	11:20 – 11:40	Development of the operational visibility data assimilation system at Korea Meteorological Administration	Kyungjeon PARK	National Institute for Meteorological Science	Minyoung KIM, Ji-Eun NAM, Won CHOI, Jin CHOI, Sangwon JOO
	11:40 – 12:00	Mesoscale hybrid data assimilation system based on JMA non-hydrostatic model	Kosuke ITO	University of the Ryukyus	
	12:00 – 12:20	Experiments on meso-scale ensemble forecasting of severe weather over the South China coastal areas	Kai-Kwong HON	HKO	
F2B (LT2) Parallel Session	11:00 – 11:20	Survey and Multi-Scale Characteristics of Wind Damage Caused by Convective Storms in the Surrounding Area of the Capsizing Accident of the Cruise Ship "Dongfangzhixing"	Yongguang ZHENG	NMC, CMA	Fuyou TIAN, Zhiyong MENG, Ming XUE, Dan YAO, Lanqiang BAI, Xiaoxia ZHOU, Xu MAO, Mingjun WANG
	11:20 – 11:40	Application of nowcasting severe weather in public weather service, transportation and public utilities in Uganda	Mwayi Martin RICKY	Uganda Airforces	
	11:40 – 12:00	Applications of INCA nowcasting model in PMSC, CMA	Xiaofeng WANG	Public Meteorological Service Center, CMA	Xiaofeng HE, Shudong WANG, Lei FENG, Yanhong HAN
	12:00 – 12:20	Identification of Critical Features of various Fog formation Processes across Indo-Gangetic plain with special emphasis upon Delhi Fog events and Method of development lead predictors/Checklists for their nowcasting/forecasting	Rajendra Kumar JENAMANI	IMD	
	12:20 – 13:30	Lunch			
F3A (LT1) Parallel Session	13:30 – 13:50	Operational Nowcast Services of India Meteorological Department	Kamaljit RAY	IMD	L S RATHORE
	13:50 – 14:10	0-6 hour Weather Forecast Guidance at The Weather Company	Todd HUTCHINSON	The Weather Company	Steven HONEY, Joseph KOVAL, Cathryn MEYER, Peter NEILLEY
	14:10 – 14:30	Community version of SWIRLS nowcasting system	Wai-kin WONG	HKO	Tsz Lo CHENG, Wang Chun WOO
	14:30 – 14:50	The summary of Strong Convective Weather Warning and Meteorological Risk Warning business about the System of Mass Monitoring and Preventing	Mu RONG	Chongqing Meteorological Observatory	Danhua ZHAI, Yaping ZHANG, Dei LIU
F3B (LT2) Parallel Session	13:30 – 13:50	Fog nowcasting and its influence on aviation operations at Entebbe International Airport-Uganda	Abubakar KALEMA	Uganda National Meteorological Authority	
	13:50 – 14:10	A smart system framework enabling an innovative weather awareness system for airports and beyond	Christian SCHIEFER	Selex ES	Sebastian KAUCZOK, Andre WEIPERT
	14:10 – 14:30	Analysis of Impact of severe Thunderstorms, Intense rains and dense Fog on Power sectors, Aviation, Railway, Highways of India and Adoptions of Customized Nowcast systems to reduce their loss	Rajendra Kumar JENAMANI	IMD	
	14:30 – 14:50	An Objective method for Nowcasting and Very Short range Forecasting of Squalls over Delhi using Stability Indices and other Upper air parameters (2001-2012)	Rajendra Kumar JENAMANI	IMD	
CC (LT1) Closing Ceremony	14:50 – 15:20	Tea / Coffee Break			
	15:20 – 15:50	Closing Ceremony			
F4 (LT2) Evening School	16:00 – 17:30	Evening School #3 : Introduction to Mesoscale Modelling *	Kazuo SAITO	JMA	

* Young scientists are encouraged to attend.

ID	Speaker	Topics	Office/Organization	Author/Co-author(s)
Batch A (Foyer) (Setup: Monday 25 July 15:20 – 15:50, Teardown: Wednesday 27 July 10:30 – 11:00)				
A01	Moudi PASCAL IGRI	Added-Value of 3DVAR Data Assimilation in The Simulation of High Impact Weather Over Western and Central Africa.	University of Yaounde I/ASECNA	Roméo Stève TANESSIONG, Derbetini Apollinaire VONDOU, Francois MKANKAM KAMGA, Jagabandhu PANDA
A02	Cynthia MATSUDO	Preliminary evaluation of a short range precipitation forecast system	Centro de Investigaciones del Mar y la Atmosfera (CIMA)	Aldana ARRUTI, Juan RUIZ, Paola SALIO
A03	Leonardo CALVETTI	Measurements and Numerical Simulations of Wind Gusts on High-Power Transmission Towers	Federal University of Pelotas - Brazil	Rafael INOUE, Cesar BENETI, Réverton NEUNDORF, Bianca MASKE, Dirceu HERDIES, Luis Gustavo GONÇALVES, Fábio DINIZ, Tiago NORONHA
A04	Alena TROJAKOVA	New nowcasting frame-work in ALADIN/CHMI	Czech Hydrometeorological Institute	Antonin BUCANEK, Patrik BENACEK
A05	Diego SOUZA	Study of flash floods over some parts of Brazil using precipitation index	National Center for Monitoring and Early Warning of Natural Disasters - CEMADEN	Rafael LE MASSON DE SOUZA, Rayana ARAÚJO
A06	Lan TAO	Simulated Downburst Model Design for Aviation Airborne Radar	Shanghai Central Meteorological Observatory, Shanghai Meteorological Service	Jianhua DAI, Min SUN
A07	Robert SCOVELL	Quantifying the effect of radar observational uncertainty on the verification of kilometre-scale NWP precipitation forecasts using the Fractions Skill Score	UKMO	Lesley ALLISON, Marion MITTERMAIER, Chris VERNON, Katie NORMAN
A08	Baicheng XIA	Simulation of Waterlogging Hazard in Beijing Based on The FloodArea Model	Chongqing Meteorological Service Center	Junzhi ZHANG
A09	Dixiang XIAO	Diagnosis Analysis and Numerical Experiments of a Rainstorm Case along the Longmen Mountain	Sichuan Meteorological Observatory	Nini TU, Shengxun QI
A10	Kang LAN	Analysis of an extreme gale in Sichuan Basin	The Meteorological Bureau of Sichuan province	Rui SHI, Dixiang XIAO, Weihua LIU
A11	Mengjuan LIU	Evaluation of Wind Profiler Network Data in Shanghai	Shanghai Central Meteorological Observatory	Shun LIU
A12	YuHuan LI	The Study of Sensitive Areas in A High Impact Weather in Beijing Based on A Regional Ensemble Forecast System	Institute of Urban Meteorology, CMA	Yu ZHANG, HanBin ZHANG
A13	Zhigang CHU	Correction for GuangDong Radars Reflectivity Based on GPM/DPR Data	Nanjing University of Information Science & Technology	Z. H. WANG, Hong GAO
Batch B (Foyer) (Setup: Wednesday 27 July 10:30 – 11:00, Teardown: Friday 29 July 10:30 – 11:00)				
B01	Eder P. VENDRASCO	Preliminary Results of the CPTEC's Regional Modeling System with Rapid Update Cycle in support to the Olympic Games in Rio de Janeiro	CPTEC/INPE	Gustavo G. G. DE GONÇALVES, Eduardo G. KHAMIS, Luiz F. SAPUCCI, Lucas A. AVANÇO, Liviany P. VIANA, Vivian B. MACHADO, Thiago S. BISCARO, João G. Z. DE MATTOS, Camila C. FERREIRA
B02	Joon-Bum JEE	Application of Radiative Transfer Model for Topographical Effect in the ASAPS Model on Seoul Metropolitan Area	WISE Institute, Hankuk University of Foreign Studies	Young-Joon KIM
B03	He NA	Comparison of Dynamic Characteristics in Two Phases of Torrential Rainfall in Beijing on 21 July 2012	Beijing Meteorological Observatory	Jisong SUN, Ke LIU, Xiaonong LIAO
B04	Jidong GAO	A Realtime Weather-Adaptive Hybrid 3DVAR Analysis System with Automatic Storm Positioning and On-demand Capability	NOAA/National Severe Storm Laboratory	Chenghao FU, Yunheng WANG, Darrel KINGFIELD, Kristin CALHOUN, Chris KARSTENS, Travis SMITH, Gerry CREAGER, Lou WICKER, Jack KAIN
B05	Cesar BENETI	Radar Nowcasting in Southern Brazil - An Open Source Approach in an Operational Environment	SIMEPAR - Parana Meteorological System	Leonardo CALVETTI, Jorge BONATO, Renan SELUZNIAK, Tiago BURIOL, Tulipa SILVA, Camila OLIVEIRA, Rute FERREIRA, Dirceu HERDIES
B06	Wang-chun WOO	Progressive Verification of Rainstorm Warnings	HKO	Wai-Kin WONG
B07	Lei LEI	Study On the Multi-cell organizational Process of squall line and Meso-scale Characteristics in Beijing Area	Beijing Municipal Weather Forecast Center	Jisong SUN, Bailin WANG, Jian ZENG
B08	Leonardo CALVETTI	A hydrometeorological forecast system for hydroelectric power generation in Brazil	Universidade de São Paulo	Augusto PEREIRA FILHO, Mirian Costa PINTO, Laércio MANFREDINI, Fabiano alves de Lima, Amarílio Carvalho PINTO, Carlos MORIBE, Felipe VEMADO, Ivon Silva JUNIOR, Frederico FUNARI, Aliton OLIVEIRA, José ROJAS, Leonardo GILLY
B09	Dirceu HERDIES	Evaluating The Mesoscale Convective Systems Using Radar Data Assimilation	INPE	Rute FERREIRA, Eder VENDRASCO, Cesar BENETI, Thiago BISCARO
B10	Min SUN	Nowcasting and Short-term Heavy Rain Forecast of Typhoon Fitow (2013) using GSI with Radar Radial Wind Assimilation	Shanghai Central Meteorological Observatory, Shanghai Meteorological Service	Ming HU
B11	Yudan GU	Study on the threshold of heavy rainfall in Shanghai	Shanghai Lightning Protection Center	
B12	Yudan GU	Analysis of lightning distribution and lightning disaster characteristics in Shanghai	Shanghai Lightning Protection Center	

INFORMATION ON EXCURSIONS AND OFFICIAL BANQUET

HONG KONG OBSERVATORY

Amidst the hustle and bustle of Tsim Sha Tsui, the HKO Headquarters enjoys a serenity uncharacteristic of this hectic business area. It is surrounded by rich fauna and flora, some of which quite uncommon in Hong Kong. Visitors can see how weather forecasts are made and how technology is put to use. They will also have a chance to visit elegant historical buildings and appreciate the ecology of a mini-forest in the heart of the city.



TATE'S CAIRN RADAR STATION

The radar at Tate's Cairn Radar Station of the Hong Kong Observatory (HKO) was replaced in 2015. The new radar is the first dual-polarisation S-band Doppler weather radar in Hong Kong. In addition to all the functionality of traditional weather radar, the new radar can identify hail areas and raindrop sizes in air, which will be useful for monitoring hails and rainfall rates.

CIVIL AVIATION DEPARTMENT

Civil Aviation Department (CAD) is the civil aviation authority of Hong Kong, providing regulation, navigation and air traffic control for HK International Airport and HK Flight Information Region. An Education Path is constructed inside CAD Headquarters with a view to arousing interest in aviation. There are 3 exhibition galleries, each with a particular theme and topic. A guided tour through the Education Path will show you how the airport managed to handled 68.5 million passengers and 4.38 million tons of cargo last year.



(OFFICIAL BANQUET) KAI TAI CRUISE TERMINAL

Built on the runway of the former Kai Tak Airport, the Kai Tak Cruise Terminal is an iconic structure centrally located in Hong Kong's Victoria Harbor. The terminal has year-round operations and an array of amenities not seen elsewhere in the industry. The rooftop garden has 360-degree harbor views, and receives thousands of local visitors daily on weekends and holidays.

LOCAL INFORMATION

LOCATION

Positioned at the mouth of the Pearl River Delta on the coast of southern China, Hong Kong's geographical position as a gateway between the East and West has made it an attractive centre for international trade. As a reflection of this, the heart of Asia's world city has always been the bustling and beautiful Victoria Harbour. Hong Kong Island lies to the south of the harbour, while the Kowloon Peninsula forms its northern shores. To the north of Kowloon lies the New Territories, which stretch all the way to Mainland China. Hong Kong is also home to more than 200 Outlying Islands, including Lantau Island, where Hong Kong International Airport is located.



CLIMATE AND WEATHER

Hong Kong's climate is sub-tropical, tending towards temperate for nearly half the year. May to August are hot and humid with occasional showers and thunderstorms, particularly during the mornings. Afternoon temperatures often exceed 31 Degree C whereas at night, temperatures generally remain around 26 Degree C with high humidity. There is usually a fine dry spell in July which may possibly last for one to two weeks, or for even longer in some years.

For tips on what clothes to pack and weather during the stay in Hong Kong, check out the following websites:

- "9-day Weather Forecast" website: <http://www.hko.gov.hk/wxinfo/currwx/fnd.htm>
- Automatic Regional Weather Forecast in Hong Kong, where you can select "Shatin" or other locations to obtain hourly forecasts in the following 9-days: http://maps.weather.gov.hk/ocf/index_e.html
- MyObservatory Personalized Weather Service on iOS, Android and Windows Phone including location-specific weather information and rainfall nowcast: http://www.weather.gov.hk/myobservatory_e.htm

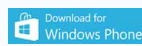
iPhone/iPad Version



Android Version



Windows Phone Version



RESTAURANT

There are restaurants located within walking distance of YIA, CUHK, some of which are listed below. For the exact locations, please refer to the Map of CUHK or ask WSN16 staff at the registration cum service desk.

- Café 330 on 1/F of YIA, CUHK
- Chung Chi College Student Canteen
- Canteen of S.H. Ho College (with Café)
- Morningside College Café
- Morningside College Dining Hall
- The Stage on 3/F of Cheng Yu Tung Building
- Maxim's MX at Univeristy Station
- Sha Tin 18 in Hyatt Regency Shatin Hotel

For dining options near hotels, please check with hotel concierge.

LANGUAGE

Cantonese is the main Chinese dialect spoken by the people in Hong Kong. English is also widely used in the Government and by the legal, professional and business sectors as well as tourist areas. Most taxi drivers and salespersons are able to communicate in English and Putonghua.

Chinese and English are the official languages of Hong Kong. All official signs are bilingual (Chinese using traditional characters). Most shops and restaurants also have English signage.

ELECTRICITY AND VOLTAGE



The standard electrical voltage in Hong Kong is 220 volts AC, 50Hz. Most hotel bathrooms also have outlets for 100

volts, but if not, you will need a transformer for any appliance or electrical equipment. The majority of electrical outlets in Hong Kong take a three-pronged UK-style plug. You can buy an inexpensive adaptor for your electrical equipment at most convenience stores.

MOBILE PHONES AND DATA

Most of the world's mobile telecommunications systems operate in Hong Kong, including GSM 900, PCS 1800, CDMA and WCDMA. Check if your service provider has a roaming agreement with a Hong Kong operator. And be sure to pay attention to the roaming rates!

You can rent local SIM cards or mobile phones when you arrive at the airport or in town. Prepaid Calling Card and Mobile Data Prepaid SIM Card for mobile phones can be easily purchased from major convenience stores in Hong Kong.

International Direct Dial (IDD) service to most countries and regions of the world is available at most hotels for a fee. The country code of Hong Kong is 852.

WI-FI

Complimentary Wi-Fi access is available inside CUHK during July 25 -29. Please ask WSN16 staff for login instructions.

Free Wi-Fi service is available at Hong Kong International Airport. You can also access the Internet for free at many coffee shops in town, as well as at certain iCentres at selected Mass Transit Railway (MTR) stations. To make it easier for the visitors to access the free Wi-Fi services in Hong Kong, there is a common Wi-Fi brand, "Wi-Fi.HK", for the public Wi-Fi services which are offered by the public and private sectors completely free or free for a certain period of time. Please access <http://wi-fi.hk> for further information. You may also check with your hotel concierge for a nearby location to access Wi-Fi. Most hotels offer broadband Internet access; however, this may involve a charge in some cases.

BUSINESS HOURS

Normal office hour in Hong Kong are 09:00 -17:00 or longer (depending on the kind of business) on weekdays, and 09:00 -13:00 on Saturdays. Major banks are open 09:00 -16:30 on weekdays and 09:00 -12:30 on Saturdays, and closed on Sundays and public holidays. The Government of the Hong Kong Special Administrative Region adopts a five-day workweek for Hong Kong civil servants. Emergency and some selected services are however provided on Saturdays and/or Sundays.

Some shops are open every day throughout the year. Generally, opening hours are 10:00 -19:00. However, many stores in busy retails areas like Causeway Bay and Tsim Sha Tsui open until 21:30 or even later, particularly on weekends.

MONEY

ATMs can be found almost everywhere. Many take international cards and some HSBC 'Electronic Money' machines provide 24-hour cash withdrawal (HK\$) facilities for Visa and MasterCard holders.

The legal tender in Hong Kong is the Hong Kong dollar (HKD), which is pegged to the US dollar at a rate of about 7.80 HKD to 1 USD, although exchange rates may fluctuate slightly. While coins are issued by the Government, interestingly, the issuance of Hong Kong banknotes is shared between three commercial banks: HSBC, Standard Chartered Bank and Bank of China. These notes vary in design and colour according to denomination.

You can exchange your currency for Hong Kong dollars at any authorized money exchanger. For extra peace of mind, look for a money exchanger that is accredited by the Quality Tourism Services (QTS) Scheme.

GETTING AROUND HONG KONG

Hong Kong is geographical compact and boasts one of the world's most efficient, safe, affordable and frequent public transport systems. Whether by bus, rail, taxi, ferry or tram, you can get around easily and catch wonderful glimpses of the city along the way. See more details at <http://www.discoverhongkong.com/eng/plan-your-trip/traveller-info/transport/getting-around/index.jsp>







LIST OF LOCAL USEFUL TELEPHONE NUMBERS AND WEBSITE ADDRESSES

Remark: The country code of Hong Kong is 852.

Useful Contact	Phone Number	Website
Symposium Enquiry Hotline	3151 8900	http://wsn16.hk/
Emergency Services (Police, Fire, Ambulance)	999	N/A
Hong Kong Observatory <i>for information on weather, climate, radiation, earthquakes, tsunamis, time, astronomy and oceanography</i>	1878 200	http://www.hko.gov.hk/
Police Hotline	2527 7177	http://www.police.gov.hk/
Hong Kong Immigration Department	2824 6111	http://www.immd.gov.hk/
Customs and Excise Department Enquiry Hotline	2815 7711	http://www.customs.gov.hk/
Department of Health	2508 1234	http://www.dh.gov.hk/
Hong Kong Post	2921 2222	http://www.hongkongpost.hk/
RTHK's service hotline (Newsline) for the latest news	2272 0000	http://news.rthk.hk/rthk/en/latest-news.htm
Consumer Council	2929 2222	https://www.consumer.org.hk/
Hong Kong Tourism Board Visitor Hotline	2508 1234	http://www.discoverhongkong.com/
Travel Industry Council of Hong Kong	2807 0707	http://www.tichk.org/
Hong Kong Hotels Association Hotel Reservation Hotline	2383 8380 2769 8822	http://hkha.org/
Hong Kong International Airport	2181 8888	http://www.hongkongairport.com/
Hong Kong eTransport (public transport)	-	http://hketransport.gov.hk/
Taxi Call Stations	-	http://www.td.gov.hk/filemanager/en/content_276/taxi%20call%20stn%20(eng).pdf
Mass Transit Railway (MTR) Corporation Limited	2881 8888	http://www.mtr.com.hk/
Long Wing Bus Company Limited (Airport Buses)	2261 2791	http://www.lwb.hk/
The Kowloon Motor Bus Co. (1933) Ltd.	2745 4466	http://www.kmb.hk/
International Phone Services	10010	-
Directory Enquiries	1081	http://www.pccw.com/ Customer Service > Directory Inquiries > Hong Kong Telephone Numbers > 1081 Directory Inquiries
International Enquiries Service (Country Codes)	10013	http://www.pccw.com/ Customer Service > Directory Inquiries > International Telephone Numbers > IDD Codes & Local Times Worldwide

MAP OF CUHK



-  Bank
-  ATM Services
-  Canteens
-  Medical Services
-  Supermarket
8:30 am – 10:00 pm (Mon–Fri)
8:30 am – 9:00 pm (Sat, Sun and public holidays)
-  Bookstore
10:00 am – 8:00 pm (Mon–Fri)
10:00 am – 6:00 pm (Sat)
-  Souvenir Counter
8:45 am – 5:30 pm (Mon–Thu) 5:45 pm (Fri)
Closed on Sat, Sun and Public Holidays
-  Bus - 72, 72A, 73, 74A
Mini Bus - 28K, 28S

MAP OF HONG KONG

