International Conference on Scientific Computing and Partial Differential Equations

December 12-15, 2002 Lam Woo Conference Center Hong Kong Baptist University Hong Kong



International Conference on Scientific Computing and Partial Differential Equations



On the Occasion of Stanley Osher's 60th birthday

December 12-15, 2002 Hong Kong Baptist University

Invited Speakers:

Yann Brenier (CNRS Nice & Paris 6) Tony Chan (UCLA) Chia-Kun Chu (Columbia) Bjorn Engquist (UCLA & Princeton) Yoshikazu Giga (Hokkaido) Roland Glowinski (Houston) David Gottlieb (Brown) Daniel Joseph (Minnesota) Fanghua Lin (NYU) Barry Merriman (UCLA) Guillermo Sapiro (Minnesota) Zhong-Ci Shi (CAS, China) Endre Suli (Oxford) Dimitri Vvedensky (London) Zhouping Xin (CUHK) Takashi Yabe (Tokyo Inst. of Technology)

Conference Committee:

Russel Caflisch (UCLA) Raymond Chan (CUHK) Tony Chan (UCLA) Shiu-Yuen Cheng (HKUST) Weinan E (Princeton) Bjorn Engquist (UCLA) David Gottlieb (Brown) Mohamed Hafez (UC Davis) Fred Hickernell (HKBU) Jian-Guo Liu (Maryland) Guillermo Sapiro (Minnesota) Zhong-Ci Shi (CAS, China) Chi-Wang Shu (co-chair) (Brown) Tao Tang (co-chair) (HKBU) Dimitri Vvedensky (London) Zhouping Xin (CUHK) Pingwen Zhang (Peking) Hongkai Zhao (UC Irvine)

Sponsors:

The Croucher Foundation Epson Foundation Hong Kong Baptist University The Hong Kong Mathematical Society Hong Kong Pei Hua Education Foundation Limited K.C. Wong Education Foundation Peking University PKU-HKBU Joint Research Institute for Applied Mathematics

Preface

On behalf of the Conference Committee, welcome to Hong Kong for the International Conference on Scientific Computing and Partial Differential Equations. We hope you find the conference stimulating and your time in Hong Kong rewarding.

Over the past decade there have been very rapid developments of efficient algorithms for scientific computing and related investigations of mathematical issues for partial differential equations and image processing. As a result, many problems in diverse application fields such as fluid dynamics, image processing, computer vision, and computer graphics in the entertainment industry can now be routinely simulated to high resolution. Professor Stanley Osher has been in the forefront of many of these developments, and has published many influential original works on high resolution shock capturing schemes, level set methods, applications to multi-phase flows, computer vision, TV based image restoration, just to name a few areas. On the occasion of the 60th birthday of Professor Osher, we are organizing this international conference to review recent developments and to explore exciting new directions in scientific computing and partial differential equations for time dependent problems and its interaction with other fields.

The organizers are very grateful for the generous donations to support this conference given by

The Croucher Foundation Epson Foundation Hong Kong Baptist University The Hong Kong Mathematical Society Hong Kong Pei Hua Education Foundation Limited K.C. Wong Education Foundation Peking University PKU-HKBU Joint Research Institute for Applied Mathematics.

A number of staff at Hong Kong Baptist University worked together to handle the detailed arrangements. We would especially like to thank Fred Hickernell, Elsa Fong, Tammy Lam, C. W. Yeung, Suan Choi and Amy Lee. Their help has been indispensable.

Co-Chairs of the Conference Committee:

Chi-Wang Shu Tao Tang

An Introduction to JRIAM

On behalf of the Peking University-Hong Kong Baptist University Joint Research Institute for Applied Mathematics (JRIAM), welcome to Hong Kong for the International Conference on Scientific Computing and Partial Differential Equations. The JRIAM also sponsors various academic activities to promote the exchange of ideas. This International Conference on Scientific Computing and Partial Differential Equations is the first of what we envision to be a series of conferences on scientific computing.

Each year we invite several world-renowned experts to tell us about the latest developments in their fields through our Distinguished Applied Mathematics Lecture Series. Building on a number of collaborations between scholars at Peking University and the Hong Kong Baptist University the JRIAM was established to conduct frontier research in applied mathematics, especially in the fields of scientific computing and statistics. The JRIAM aims to raise the profile of China's applied mathematics research.

The JRIAM engages in research in a variety of areas, including Scientific Computing, Applied Probability, Computational Fluid Dynamics, Data Mining, Experimental Design, Graph Theory, Monte Carlo Methods and Optimization. The JRIAM welcomes collaborators for our research. We are constantly seeking Senior academics for short-term visits of a few days up to several months, including sabbatical visitors; Postdoctoral fellows for one or two year appointments, and PhD students. If you would like to associate with the JRIAM in one of the above capacities, please contact either of the directors. Priority is given to applicants whose research records or potential match the interests of JRIAM members. The financial support we can provide depends on the funding available.

To find out more about the JRIAM or participate in any of our activities, please visit our website http://www.math.hkbu.edu.hk/JRIAM/ or contact one of us:

Prof. Jiping Zhang	Prof. Fred J. Hickernell
Beijing Director, JRIAM	Hong Kong Director, JRIAM
School of Mathematical Sciences	Department of Mathematics
Peking University	Hong Kong Baptist University
Beijing, 100871 China	Kowloon Tong, Hong Kong SAR, China
Email: jzhang@pku.edu.cn	Email: fred@hkbu.edu.hk

Fred Hickernell

Wednesday December 11, 2002

19:00	Welcome Reception		
	Lam Woo International Conference Center		
20:30	End of Reception		
	Thursday December 12, 2002		
8:30	Registration, Coffee/Tea		
	WLB203		
9:00	Opening Ceremony Chair: Tao Tang (HKBU)		
	Professor C. F. Ng, President, HKBU		
	Professor Fred Hickernell, Director of JRIAM		
0.25	Professor Chi-wang Shu, Co-organizer		
9.25	Florer Version A: Chair: Guillermo Saniro (Minnesota)		
9.40	Daniel D Joseph (University of Minnesota)		
2.10	Floating Particles		
10:30	Dimitri Vvedensky (Imperial College, United Kingdom)		
	Stochastic Differential Equations for Driven Lattice Systems		
11:20	<u>Coffee Break</u>		
	Contributed Talk Session A: Chair: Jun Zou (CUHK)		
11:40	Guowei Wei (Michigan State University)		
	A Local Spectral Method for Scientific Computing		
12:00	Fred J. Hickernell (Hong Kong Baptist University)		
	Trigonometric Spectral Methods on Lattices		
12:20	Lunch		
2.00	Plenary Session B: Chair: Zhong-Ci Shi (Chinese Academy of Sciences)		
2:00	A Provisit of Mixed Elliptia Hyperbolia Equations		
2.50	A Revisit of Mixed Emplo-Hyperbolic Equations Endre Süli (University of Oxford United Kingdom)		
2.50	hp-Adaptive Finite Element Approximation of Partial Differential Equations with Nonnegative		
	Characteristic Form		
3:40	Coffee Break		
	Contributed Talk Session B: Chair: Xu-Dong Liu (UCSB)		
4:00	Kun Xu (Hong Kong University of Science and Technology)		
	Gas-kinetic Schemes for Fluid Simulations		
4:20	Ning Zhao (Nanjing University of Aeronautics and Astronautics, China)		
	Applications of Ghost Fluid Methods to Instabilities of Fluid Interfaces and Synthetic Jet		
4:40	Antonio Marquina (University of Valencia, Spain)		
- 00	Capturing Material Interfaces with High Order Conservative Methods		
5:00	Weijun Tang (Institute of Applied Physics and Computational Mathematics, China)		
5.20	Simulation of Fluid Interface Instability		
5:20	Chebyshey Spectral Methods on Lattices		
5.40	Zhongyi Huang (Tsinghua University China)		
2.10	Atomistic-Continuum Method for the Simulation of Crystalline Materials		
6:30	Dinner (Refrew Seafood Restaurant, Baptist University Campus)		

Friday December 13, 2002

8:40	<u>Coffee/Tea</u>		
	WLB203		
	Plenary Session C: Chair: David Gottlieb (Brown)		
9:00	Fanghua Lin (Courant Institute, NYU)		
	Multi-Energy Levels and Time Scales for Coupled Schrodinger Dynamics		
9:50	50 Yann Brennier (CNRS Nice and Universite Paris 6, France)		
	Extended Optimal Transportation Theory		
10:40	:40 <u>Coffee Break</u>		
	Contributed Talk Session C: Chair: Xiao-Ping Wang (HKUST)		
11:00	I-Liang Chern (National Taiwan University, Taiwan)		
	Acceleration Methods for Total Variation-based Image Restoration		
11:20	20 Ola Marius Lysaker (University of Bergen, Norway)		
	Noise Removal Using Fourth-Order Partial Differential Equations with Applications to Medic		
Magnetic Resonance Images in Space and Time			
11:40	Guojun Liao (University of Texas)		
	An Adaptive Moving Mesh Algorithm for Finite Elements		
12:00	Justin Wan (University of Waterloo, Canada)		
	Essentially Nonoscillatory Multigrid Time Stepping Schemes		
12:20	Boris N. Azerenok (Computing Center of Russian Academy of Sciences, Russia)		
	Adaptive Mesh Redistribution Method in Hyperbolic Problems of Gas Dynamics		
12:40	<u>Lunch</u>		
	Plenary Session D: Chair: Jian-Guo Liu (Maryland)		
2:10	Zhong-Ci Shi (Chinese Academy of Sciences, China)		
	Some Low Order Quadrilateral Reissner-Mindlin Plate Elements		
3:00	0 Guillermo Sapiro (University of Minnesota)		
	Image Inpainting and Camouflage: Do Not Believe What You See		
3:50	<u>Coffee Break</u>		
	Contributed Talk Session D: Chair: Xiaonan Wu (HKBU)		
4:10	Huaxiong Huang (York University, Canada)		
	Motion of Liquid Drops on a Solid Surface		
4:30	De-Kang Mao (Shanghai University, China)		
	Towards Front-Tracking Based on Conservation in Two Space Dimensions, Tracking Fronts on		
	Cartesian Grid		
4:50	50 Francesc Arandiga (University of Valencia, Spain)		
- 10	Zooming into an Image with ENO Interpolation		
5:10	0 Susana Serna (University of Valencia, Spain)		
5.20	Power ENO Methods: A Fifth Order Accurate Weighted Power ENO Method		
5:30) Chi-Tien Lin (Providence University, Taiwan)		
(00	Revisit Convex ENO Schemes		
6:00	Bus to Kowloon Club, Tsim Sha Tsui		
6:30	Drink session (harbour view)		
/:30	<u>Conjerence Banquet at Kowloon Club, Isim Sha Isui</u>		

Saturday December 14, 2002

8:40	<u>Coffee/Tea</u>		
	WLB203		
0.00	Tony Chan (LICLA)		
9.00	PDF and Wayalat Taahniguas for Imaga Compression		
0.50	The una wavelet Techniques for Image Compression Thouning Vin (The Chinese University of Hong Kong)		
9.50	Shock Ways for Supersonic Elow Past a Porturbed Cone		
10.40	Snock wave for supersonic riow rast a renurbed Cone		
10:40 <u>Contributed Talk Session Ft</u> Chair: Michael Ng (IIKI)			
11.00	Lun Zou (The Chinese University of Hong Kong)		
11.00	Some Iterative Solutions of Saddle point and Saddle point Like Systems		
11.20	Some Heralive Solutions of Saudie-point and Saudie-point Like Systems		
11.20	Alao-Ping wang (Hong Kong University of Science and Technology)		
11.40	Una Chan (Wuhan University, China)		
11.40	0 Hua Chen (Wuhan University, China) On the Simulified Keller, Secol System Medelling, Chemotonia		
12.00	Wei Chang Wang (National Tsing Hua University, Taiwan)		
12.00	A lump Condition Canturing Scheme for Elliptic Interface Problems		
12.20	A sump Condition Capturing Scheme for Entiplic Interface I roblems		
12.20	Shock Vortex Interaction at High Mach Numbers		
12.40	Snock-vortex Interaction at High Mach Numbers		
12.40	Planary Session F. Chair: Hongkai Zhao (UC Irvine)		
2.10	Voshikazu Giga (Hokkaido University Janan)		
2.10	A Level Set Approach for Solutions with Shocks of Order Preserving Evolution Equations		
3.00	Barry Merriman (UCLA)		
5.00	A Mathematician's Perspective on Molecular Biology		
3.50	Coffee Break		
0.00	Contributed Talk Session F: Chair: Weiwei Sun (CityU)		
4:10	Chong Sze Tong (Hong Kong Baptist University)		
	Advances in Snake Algorithms		
4:30	Steve Bryson (NASA Ames Research Center)		
	High-Order Semi-Discrete Central-Unwind Schemes for Multi-Dimensional Hamilton-Jacobi Equations		
4:50	0 Vicente F Candela (University of Valencia Spain)		
	How Accurate can we Compute the Length of Level Curves?		
5:10	Yu-Xin Ren (Tsinghua University, China)		
	A Shock Instability Free FDS Scheme Based on Rotated Riemann Solvers		
5:30	Shu Wang (Vienna University, Austria)		
	<i>Ouasineutral Limit of Euler-Poisson System with and without Viscosity</i>		
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Sunday December 15, 2002

8:40	<u>Coffee/Tea</u>			
	WLB203			
	Plenary Session G:	Chair: Bjorn Engquist (Princeton/UCLA)		
9:00	David Gottlieb (Brown University)			
	On the Engquist Majda Absorbing Boundary Conditions for Hyperbolic Systems			
9:50	0 Takashi Yabe (Tokyo Institute of Technology, Japan)			
Universal Solver CIP for All Phases of Matter				
10:40	0 <u>Coffee Break</u>			
	Contributed Talk Session G:	Chair: Zhen-Huan Teng (Peking)		
11:00	Jian-Guo Liu (University of Maryland)			
	Energy and Helicity Preserving Scheme			
11:20	Steve Ruuth (Simon Fraser University, Cana	da)		
	Recent Advances in Strong-Stability-Preserving Runge-Kutta Methods			
11:40	Wai-Sun Don (Brown University)			
	Spectral Convergence of Mapped Chebyshev	, Methods		
12:00	:00 Xu-Dong Liu (University of California, Santa Barbara)			
	A Numerical Method for Solving Variable C	oefficient Elliptic Equation with Interfaces		
12:30	<u>Lunch</u>			
	Plenary Session H:	Chair: Shiu-Yuen Cheng (HKUST)		
2:00	Roland Glowinski (University of Houston)			
	Numerical Methods for the Solution of a System of Eikonal Equations with Dirichlet Boundary			
	Conditions			
2:50	Bjorn Engquist (UCLA & Princeton, USA)			
	Heterogenoeus Multiscale Methods			
3:40	Closing Session	Chair: Chi-Wang Shu (Brown)		

Social Activity

Welcome Reception:

A Welcome Reception will be held at the Lam Woo International Conference Center from 7:00pm - 8:30pm on Wednesday, December 11, 2002 for participants to pick up their conference kits and to enable them to meet each other. A shuttle bus will pick up participants at Royal Plaza Hotel at 6:20pm to take them to the Reception and return at 8:30pm.

Thursday evening's dinner

The conference will provide a dinner in the Renfrew Seafood Restaurant at 6:30pm on December 12, 2002. Conference participants may attend the dinner at no extra charge.

Conference Banquet:

The Conference banquet will be held on Friday night, December 13, at Kowloon Club, (http://www.kowloonclub.com.hk), Tsim Sha Tsui. Participants will enjoy a Chinese banquet (Shanghainese food). Conference invited speakers, organizing committee members and participants who paid the registration fee may attend the banquet at no extra charge. Please check your registration package to see if you have been given a banquet ticket. Guests may attend the banquet by purchasing a ticket in advance at the information desk at a subsidized price of HK\$300.

A shuttle bus will take participants and guests to the restaurant and back to the hotel after the banquet. The bus will leave Lam Woo International Conference Center at 6:00pm. A drink session (with soft drink, beer and wine) will be held from 6:30pm to 7:30pm in the Kowloon Club's open area where you can enjoy the harbour view.

Japan CMD Award to be presented in the Banquet

The Japan Society of Mechanical Engineers (JSME) Computational Mechanics Division (CMD) will present the 2002 Computational Mechanics Award to Professor Stanley Osher during the conference banquet. JSME is the largest society in Japan with 42,000 members. The CMD has 5,300 members and is one of the largest division in JSME. The President of CMD, Professor Takashi Yabe, will present the award plaque to Professor Osher – see also next page.

The Japan Society of Mechanical Engineers Computational Mechanics Division

presents the 2002

COMPUTATIONAL MECHANICS AWARD

Established in 1990 by the Computational Mechanics Division

to

Professor STANLEY OSHER

For his long-time contributions to research and service in the computational mechanics field

> (Signature by Chairman of Computational Mechanics Division, JSME)

> > Chairman Computational Mechanics Division, JSME

Useful Information

Lunches and Tea Breaks:

In order to facilitate informal discussion among participants complimentary lunches and tea breaks will be provided. The tea breaks will be held outside the lecture halls. Lunches will be held in the Renfrew Seafood Restaurant, located one floor above the lecture halls. Guests wishing to join the lunches may purchase tickets at the information desk at a subsidized price of HK\$60.

Conference Venue

The Conference will be held in lecture hall WLB 203 of the Lam Woo International Conference Centre of Hong Kong Baptist University. Unless you have made other arrangements for yourself, you will be staying at NTT (the Ng Tor Tai International Guest House) across the street from the conference centre.

Information Desk

During the Conference, there will be an information desk in the lobby of the conference. If you have any questions or need help, please ask anyone sitting there. Near the information desk there will be a notice board with updated information about the Conference. Please check the notice board frequently. The information desk will have a limited amount of stationery supplies should you need something. Staff at the desk can also help you to make a limited amount of photocopying.

Internet Access

There will be computer terminals available nearby, where you can have access to the internet and check your e-mail. Anyone who wants to distribute pamphlets or preprints can leave the materials at the information desk.

Instructions to Speakers

The lecture hall will be equipped with two overhead projectors and a whiteboard. If you need any additional equipment, such as video projector, slide projector or computer, please notify us by December 10 so that we can make the necessary arrangements.



A map showing the location of the Conference Center, NTT guest house and information on how to get to Kowloon Tong MTR Station.

Coming and Going

Before You Come

Please make sure your travel documents and visas are in order. All visitors to Hong Kong must hold a valid passport. Residents of some countries require a visa to enter Hong Kong. This can be obtained through any Chinese Consulate. You are advised to buy your own travel insurance before you come. If you have special dietary requirements, please inform us by e-mail or fax.

Upon Arrival

Upon arrival in Hong Kong you are advised to obtain HK\$500 cash for initial expenses (US\$1 app. HK\$7.75). Money can be exchanged at the minibank at the Hong Kong International Airport, Lo Wu or Kowloon railway station. You may also withdrawn Hong Kong dollars from ATMs.

A map showing the location of the Conference Center, NTT guest house and information on how to get to the Conference Center from the airport or railway stations is given on page 10. Unless your accommodation is being supported by the Conference, you are responsible for paying your accommodation by credit card or cash.

Check-in

The hotel registration desks are open 24 hours. A Welcome Reception will be held at the Lam Woo International Conference Center of Hong Kong Baptist University from 7:00pm - 8:30pm on Wednesday, December 11, 2002, where you may pick up your conference materials. Materials can also be picked up at the information desk during the hours of the conference.

Traveling, Eating and Shopping

Hong Kong has an efficient public transportation system that includes buses, taxis, a railway (KCR) and an underground railway (MTR). For sight-seeing and shopping, the most convenient form of travel is the KCR (New Territories) and the MTR (Hong Kong Island and Kowloon). Both the KCR and the MTR have Kowloon Tong stations, which are within walking distance to the Baptist University. For those places not directly accessible by railway, it is suggested that you take a taxi to and from the nearest railway station.

We may have the highest number of restaurants per capita in the world. If you enjoy exploring, you will find Hong Kong offers all kinds of cuisine (Chinese, Japanese, Thai, Vietnamese, American, European, etc.) in all kinds of environments (from outdoor stalls to elegant restaurants). However, the correlation between the quality of food and the price is low.

Around the corner from the Conference Center is a student cafeteria serving inexpensive food. On Junction Road near the conference venue there is a Park'n Shop supermarket and several restaurants and several banks. Two nearby shopping centers are Lok Fu Shopping Centre (at Lok Fu MTR station) and Festival Walk (at Kowloon Tong MTR station). Lok Fu has a more local flavour while Festival Walk is more modern and more expensive. It is a 15-minute walk from the University to either of these shopping centres.

Tsim Sha Tsui and Causeway Bay are two large shopping areas in Hong Kong. The Hong Kong Tourist Association also provides information at the airport and at either terminus of the Star Ferry on where to shop. You can exchange foreign currency into local currency at NTT, money changers, or banks (usually the best rate). Almost everywhere in Hong Kong there are automatic teller machines that dispense local currency to holders of major credit cards.

Climate

Hong Kong's climate is sub-tropical, tending towards temperate for nearly half the year. Gales are not unusual during December. Air-conditioning is very popular in Hong Kong. Thus, we recommend you to bring a sweater or jacket with you. The table below shows some useful meteorological normals and extremes for Hong Kong's December in 2000.

Rainfall: Total 56.0mm Temperature: Mean 18.9°C, Max 21°C, Min 17.0°C Relative humidity: Mean 76%

If Departing by Air

Please remember to reconfirm your return flight soon after arrival. Also put aside the HK\$100 per person departure tax that will be required when you leave Hong Kong by air.

Conference Hotels

How to Get to the Ng Tor Tai International Guest House

Ng Tor Tai International Guest House 32 Renfrew Road Kowloon Tong, Hong Kong Tel: (852) 2301-2301; Fax: (852) 2191-9333 E-mail: nttbook@hkbu.edu.hk Website: http://www.hkbu.edu.hk/ntt/ (English version) Website: http://www.hkbu.edu.hk/ntt/cntt.html (Chinese Version)

From	By	Fare	Estimate Time
Hong Kong International	E22 Bus	HK\$18	1 hour
Airport	Taxi	app. HK\$300	35 minutes
Kowloon Tong KCR or	Walk		15 minutes
MTR station	Taxi	app. HK\$20	5 minutes
Hung Hom KCR station	KCR to the Kowloon Tong	HK\$3.5	10 minutes KCR
	station and then walk		+ 15 minutes walk
	Taxi	app. HK\$40	25 minutes

How to Get to the Royal Plaza Hotel

Royal Plaza Hotel 193, Prince Edward Road West Kowloon, Hong Kong Tel: (852) 2928-8822; Fax: (852) 2606-0088 Website: http://www.royalplaza.com.hk/

From	By	Fare	Estimate Time
Hong Kong International	coach service by hotel	HK\$90	35 minutes
Airport	E21 Bus to Prince Edward	HK\$14	1 hour bus
	MTR station and then walk		+ 7 minutes walk
	Taxi	app. HK\$300	35 minutes
Kowloon Tong KCR or	KCR to the Mong Kok	HK\$3.5	2 minutes KCR
MTR station	station and then walk		+3 minutes walk
	Taxi	app. HK\$30	10 minutes

Remark: Taxis charge passengers for all tunnel tolls plus HK\$5 for handling each piece of luggage.

You may show this page to taxi driver if you want to go to the conference venue or NTT International House.



吳多泰博士國際中心 香港浸會大學 香港九龍塘聯福道32號

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NTT International House Hong Kong Baptist University 32 Renfrew Road, Kowloon Tong Hong Kong Tel: (852) 2301 2301 Fax: (852) 2191 9333 E-mail: nttbook@hkbu.edu.hk

NTT International House was established by Hong Kong Baptist University in 1997 to provide accommodations in a pleasant and convenient environment for guests and visitors. It is situated at the classy & quiet Kowloon Tong area, within easy access to the Mass Transit Railway and Kowloon-Canton Railway for downtown business and sightseeing. The well-known shopping complex in the neighbourhood with fine dining and entertainment facilities, "Festival Walk" is especially beneficial to shoppers, international tourists & frequent business travellers.

NTT International House can accommodate convention and meeting groups, with Lam Woo International Conference Centre being next door. Guests are welcome to make use of campus facilities, such as sports facilities.



Miscellaneous

About Hong Kong

Hong Kong (http://www.info.gov.hk, http://www.hkta.org) is a modern metropolis influenced by both oriental and western cultures and home to over 6 million people. The native tongue of most residents is Cantonese, but English and Mandarin speakers can get around easily. The local currency has an approximate exchange rate of HK\$7.8 to US\$1.

Local Travel

Hong Kong has an excellent public transportation system consisting of trains, buses and taxis. Generally, frequency of service is every few minutes. The Hong Kong Baptist University is a short walk from the Kowloon Tong underground subway (MTR) and railway (KCR) interchange.

International Travel & Visas

Visitors to Hong Kong from some countries require visas. If you are in doubt, please contact the Chinese Consulate nearest you. Some conference participants may wish to visit the Chinese Mainland before or after the conference. All foreigners visiting the Mainland require a visa, which may be obtained from the Chinese Consulate. However, for short trips to the Mainland you may obtain a tourist visa in Hong Kong within a matter of a few days.

Conference Proceedings

A special volume of Contemporary Mathematics based on this conference will be published by American Mathematical Society (eds. S Y Cheng, C.-W. Shu and T. Tang). However, the contributions to this special volume are based on invitation.