



Ottawa, Canada



NORTH SOUTH UNIVERSITY

*The first private university in Bangladesh
Center of Excellence in Higher Education*



Banani, Dhaka, Bangladesh

Welcome to the official homepage of *International Conference*

on

Recent Development in Statistical Sciences

Jointly Organized by

Carleton University, Canada and North South University, Bangladesh

Date: 26-27 December, 2008

Venue: North South University, Dhaka, Bangladesh

This website provides information on

- **Theme of the conference**
- **Conference contacts**
- **Conference Committees**
- **Submission of papers**
- **Proceedings**
- **Registration and registration form**
- **Accommodation**

ABOUT THE CONFERENCE

The theme of the 2-day international conference is **Recent Development in Statistical Sciences**. The Department of Career and Professional Development Services (CPDS), North South University, has decided to sponsor this conference in collaboration with the Carleton University, Canada. Participants are expected to come from all over the world including researchers and academics as well as representatives from business, industry, government bodies and non-government agencies. This conference will cover all areas of theoretical and applied statistics including:

Statistical inference, distribution theory, probability models, stochastic process, statistical inference, prediction analysis, survival analysis, biostatistics, bioinformatics, epidemiology, reliability theory, quality control, sampling, statistical computing, Bayesian analysis, time series, econometrics, demography, robust methods, Monte-Carlo methods, statistical education, financial mathematics, forecasting, actuarial science, environmental statistics, economic statistics, official statistics, multivariate analysis, spatial analysis, directional data analysis and others.

The main objectives of this international conference are

1. To bring together established and new researchers working on various statistical topics from all over the world.
2. To provide a platform for researchers and practitioners in statistical sciences to actively share their research experiences, ideas and contributions in a stimulating environment.
3. To forge greater cooperation between statisticians of Bangladesh origin and the rest of the world.
4. To promote the discipline of statistics as a profession in the wider community, particularly to the decision makers.
5. To promote interaction and understanding amongst statisticians in the world.

The conference will honour Professor A.K.Md. Ehsanes Saleh in recognition to his outstanding contribution of developing statistical sciences through pioneering research, outstanding supervision of PhD students and Postdoctoral fellows, and exceptional professional services via organization of international symposia and editing special volumes and journals over the last 4 decades. He is now a Distinguished Research Professor and Professor Emeritus, School of Mathematics and Statistics, Carleton University, Ottawa, Canada. He has published more than 150 scholarly papers, supervised many Ph.D. students, published two books and edited volumes in nonparametric statistics and related topics. He has received prestigious ISOSS Gold Medal and QM Hossain Gold Medal, and is an elected fellow of the ISI (Netherland), RSS (UK), IMS (USA), ASA and Bangladesh Academy of Sciences. To know more about Professor Saleh follow the link from <http://mathstat.carleton.ca/~esaleh/> or surf at <http://math.carleton.ca/~esaleh/SalehFullCV2008.pdf>

About North South University

North South University (NSU), the first private university in Bangladesh, was established by the NSU Foundation. The government of Bangladesh approved the establishment of North South University in 1992 under Private University Act 1992. It was formally inaugurated on February 10, 1993 by Begum Khaleda Zia, Honorable Prime Minister of Bangladesh. The President of People's Republic of Bangladesh is the Chancellor of NSU.

From a modest beginning with 137 students in 1993 the student body has now grown to approximately 7500. NSU has the largest Business school in the country with 5400 students in the BBA, MBA and EMBA programs. Following an American model the school offers Masters and Bachelors degree in Business Administration having concentrations in Management, Marketing, Finance, Accounting, MIS, HRM, International Business, and Business Policy and Strategy. The MBA program has been designed following the guidelines of the American Assembly of Collegiate Schools of Business (AACSB), the highest accreditation body of business schools in USA. It is global, computer oriented, fast track, and competitively priced. Good students and good faculty are the two main ingredients of a good university. NSU is very selective about both the 'ingredients.' NSU has highly qualified faculty members. All faculty members are educated and trained in North American or equivalent universities.

NSU has produced a total of 3000 graduates and most of these graduates are employed in both nationally and internationally reputed companies. Many are pursuing higher education in renowned universities abroad.

In 15 years, NSU has established itself as a citadel of excellence and has been making a relentless effort to produce the best graduates and subject experts in the country. NSU has five professional and research wings: (i) Institute of Development, Environment and Strategic Studies (IDESS) (ii) The English Institute (iii) The Confucius Institute (iv) Center for Information & Communication Technology (CICT) and (v) Department of Career and Professional Development Services (CPDS).

For further details on the North South University and its programs, please see the link at <http://www.northsouth.edu/>

About Carleton University

The Carleton University is Canada's capital university! Situated on a beautiful campus bordered by the sparkling Rideau River and Canal, Carleton is just minutes from the heart of our nation's government and enjoys easy access to the many organizations, associations and businesses which thrive in Ottawa. Many of Ontario's leading high tech companies surround our campus where cutting-edge research joins with highly innovative teaching to solve real-life problems. Members of a dynamic, research-intensive university, Carleton's faculty and staff provide a superior learning experience for our fine students who hail from every province and from over 100 countries around the world.

Carleton offers 65 programs of study in areas as diverse as public affairs, journalism, film studies, engineering, high technology and international studies. More than 2,000 brilliant professors and staff members constitute a diverse and dedicated team serving 23,000 students. Carleton's creative, interdisciplinary and international approach to research has led to many significant discoveries and creative works in science and technology, business, governance, public policy and the arts.

Students are truly VIPs on the Carleton campus and enjoy residence and recreation programs as well as a wide variety of cultural and social activities. Endowed lectures bring speakers of world renown to our campus and proximity to the city makes it possible to enjoy world-class events at the National Arts Centre and the many museums and galleries across the city.

The Statistics group within the School of Mathematics and Statistics of Carleton University is ranked third in the world for its research activities.

For further details on the Carleton University and its programs, please see the link at <http://www.carleton.ca/>

CONFERENCE CONTACTS

Conference Venue

North South University
12 Kemal Ataturk Avenue
Banani, Dhaka, Bangladesh

Conference Secretariat

Executive Committee Chair
Dr. Abdul Hannan Chowdhury
School of Business
North South University
12 Kemal Ataturk Avenue
Banani C/A, Dhaka 1213, Bangladesh
E-mail: hannan@northsouth.edu

Phone: +8802 9885611-20 ext. 251, and +880 171 306 3097 (Mobile)
Fax: +8802 880-28823030

Conference E-mail

nsustatconf@northsouth.edu

Conference Homepage

<http://www.sci.usq.edu.au/staff/khans/stat-conf-2008.pdf>

Weather in Dhaka in December

Dhaka, capital of Bangladesh, normally experience mild cold weather in December. Temperature may vary from 10-20 degrees Celsius. By the way, this year Dhaka is celebrating its 400 years of existence.

Currency in Bangladesh

Bangladesh Taka (BDT) is the local currency in Bangladesh. Currently the estimated exchange rate is \$1 (USD) = Tk 70 (BDT). Money can be changed in any foreign exchange branch of commercial banks or licensed money changers.

ABSTRACT SUBMISSION

Submission of abstract before	30 October 2008
Notice of acceptance	15 November 2008
Submission of full paper before	30 November 2008

Peer Review and Presentation

Only papers accepted by peer review will be scheduled for presentation in the conference.

The presenter or at least one of the co-authors of any accepted paper should register and pay the registration fee by 15th November 2008. Otherwise, the paper may be removed from the conference program.

For oral presentation, all accepted full text paper must be submitted by 30 November 2008. Poster presentation could be arranged with the permission of the Executive Committee.

Electronic Data Projectors would be used for oral presentations. Presenters are encouraged to submit an electronic copy of their presentations to the Executive Committee before leaving for Dhaka.

Invited speakers will have 30 minutes and contributed speakers will have 20 minutes for each oral presentation.

CONFERENCE PROCEEDINGS

The conference committee will publish the proceedings of the conference. Proceedings will be made available to participants during the conference.

Selected papers may be published in the **Journal of Applied Probability and Statistics (JAPS)** after usual peer review. For details, contact the Chief Editor, Dr Shahjahan Khan on khans@usq.edu.au, or visit the JAPS homepage at <http://japs.dixiepublishing.com/>

Selected papers may also be published in the **North South Business Review (NSBR)** after normal peer review.

CONFERENCE COMMITTEES

Steering Committee

Chairman

Dr. Hafiz G.A. Siddiqi
Vice Chancellor, North South University, Bangladesh

Vice-Chairmen

Dr. Kazi Saleh Ahmed
Professor, Department of Statistics
Former Vice Chancellor, Jahangirnagar University, Bangladesh

Dr S M A Faiz, Vice Chancellor, University of Dhaka, Bangladesh

Committee Members

Dr. A.K.Md Ehsanes Saleh
Distinguished Research Professor
Carleton University, Ottawa, Canada

Dr. Amirul Islam Chowdhury
Professor, Department of Economics, North South University
Former Vice Chancellor, Jahangirnagar University, Bangladesh

Dr. Shahjahan Khan
Professor, Department of Mathematics and Computing
University of Southern Queensland, Australia
President, Islamic Countries Society of Statistics Sciences (ISOSS)

Dr. M. Kabir
Professor, Department of Statistics
Jahangirnagar University, Bangladesh

Dr. Nasar Uddin Ahmad
Professor and Chair, Department of Biostatistics
Florida International University, USA

International Scientific Committee

Chairman

Dr Shahjahan Khan
University of Southern Queensland, Australia

Secretary

Dr. Abdul Hannan Chowdhury
North South University, Bangladesh

Members

Dr Syed Ejaz Ahmed
Windsor University, Canada

Dr Asis Chatterjee
Calcutta University, India

Dr Nasar Uddin Ahmad
Florida International University, USA

Dr M Ataharul Islam
Dhaka University, Bangladesh

Dr Hafiz Tareq Abdullah Khan
University of Oxford, UK

Dr Maman A Djauhari
Institut Teknologi Bandung, Indonesia

Dr S.M.Mehdi Tabatabaey
Ferdowsi University of Mashhad, Iran

Dr Mohammad Hanif Mian
Lahore University of Management Sciences, Pakistan

Dr Abdul Ghapor Husin
University of Malay, Malaysia

Dr Bashir Ullah Khan
St Mary's University, Canada

Dr. BM Golam Kibria
Florida International University, USA

Executive Committee

Chairman

Dr. Abdul Hannan Chowdhury
Professor, School of Business
North South University, Bangladesh

Committee Members

Dr Abul Basher Mian
Director, Bangladesh Development Studies
Rajshahi University, Bangladesh

Dr. M. Sekander Hayat Khan
Professor, Institute of Statistical Research and Training
Dhaka University, Bangladesh

Dr Nashid Kamal
Independent University, Bangladesh

Dr. M. A. Matin
Professor, Department of Statistics
Jahangirnagar University, Bangladesh

Dr. Mazharul Islam
Professor and Chair, Department of Statistics
Dhaka University, Bangladesh

Dr. Md. Abdus Salam
Professor and Chair, Department of Statistics
Jahangirnagar University, Bangladesh

Mrs Begum Zainab
Director, Institute of Statistical Research and Training
Dhaka University, Bangladesh

Dr Anjuman Ara Begum
Professor and Chairman, Department of Statistics
Rajshahi University, Rajshahi

Mrs Soma Chowdhury
Chairman, Department of Statistics
Chittagong University, Bangladesh

Dr Md Naser
Professor, Department of Statistics
Rajshahi University, Bangladesh

Dr Md Kabir Hossain
Professor, Department of Statistics
Shahjalal University of Science and Technology, Sylhet, Bangladesh

Confirmed Invited Speakers

Dr Munir Ahmad, National College of Business Administration & Economics,
Lahore, Pakistan

Dr Hilal Al-Bayyati, Arab Institute for Training and Research in Statistics, Jordan

Dr Emad Eldin Aly, Kuwait University, Kuwait

Dr Mohammed Aqeel, King Khalid University, Saudi Arabia

Dr Anil Bera, University of Illinois Urban-Champaign, USA

Dr Maman Djauhari, Institut Teknologi Bandung, Indonesia

Dr Muhammad Hanif Mian, Lahore University of Management Sciences, Pakistan

Dr Shahariar Huda, Kuwait University, Kuwait

Dr Nasar Uddin Ahmed, Florida International University, USA

Dr Lukman Thalib, Kuwait University, Kuwait

Dr Asis Chatterjee, Calcutta University, India

Dr Muhammad Ayub Khan Yusuf Zai, Karachi University, Pakistan

Dr Noor Akma Ibrahim, University Putra Malaysia, Malaysia

Dr A K M Shahidur Rahman, Nanyang Technological University, Singapore

Dr Abdunnabi M. Ali, Al-Fateh University, Libya

Dr S.M.Mehdi Tabatabaey, Ferdowsi University of Mashhad, Iran

Dr Abdul Ghapor Bin Hussin, University of Malay, Malaysia

Dr Bashir Ullah Khan, St Mary's University, Canada

Dr Gurprit Grover, Delhi University, India

REGISTRATION INFORMATION

REGISTRATION FEES:

The non-refundable registration fee for participants based on country of residence:

Participants from Bangladesh	Taka 4000.00
Participants from SAARC countries	USD\$100.00
Participants from Other countries	USD\$200.00
Students	50% off

Each accompanying person pays half of the applicable regular registration fee.

All participants including paper presenters should register by 30 November 2008.

MODE OF PAYMENT

International participants should send the registration fee in US dollars by **Demand Draft** in favor of **North South University** and mailed to:

Dr. Abdul Hannan Chowdhury
Professor, School of Business &
Chair, Executive Committee
North South University
12 Kemal Ataturk Avenue
Banani C/A, Dhaka 1213
Bangladesh
E-mail: hannan@northsouth.edu or nsustatconf@northsouth.edu

Participants from Bangladesh should pay the registration fee in Bangladesh Taka.

There is no provision of refund of registration fee for cancellation of registration.

Registration Form

*International Conference on
Recent Development in Statistical Sciences
North South University, Dhaka, 26-27 December 2008*

Name (Prof/Dr/Mr)

Occupation:

Country of Residence:

Institution:

Postal Address:

Tel.:

Fax:

E-mail:

As a presenter As a participant only

Method of payment

Bank draft Local order Cheque
(Bangladesh Taka) (US dollars)

Signature: _____

Date: _____

Please complete and return this form to the Conference Secretariat by airmail, telefax or (preferably) via e-mail before 15th November 2008.

Secretariat

International Conference on Recent Development in Statistical Sciences 2008

Dr Abdul Hannan Chowdhury

Professor, School of Business

North South University

12 Kemal Ataturk Ave.

Banani, Dhaka -1213, Bangladesh

Tel: 9885611-20 ext: 251 & Dept. CDPS ext: 131

Fax: 880-02-8823030

E-mail: hannan@northsouth.edu or nsustatconf@northsouth.edu

Conference homepage: <http://www.sci.usq.edu.au/staff/khans/stat-conf-2008.pdf>

To access an MS Word version of the Registration Form, please click the link at <http://www.sci.usq.edu.au/staff/khans/Registration%20Form%20NSU2008.doc>

Information on Accommodation

Accommodation can be booked directly or via the Conference Secretariat in the following hotels.

HOTEL INFORMATION
<ul style="list-style-type: none">• Dhaka Sheraton Hotel• La Vinci Hotel• Sundarban Hotel• Hotel Sweet Dream• Hotel Sarina

1. Dhaka Sheraton Hotel

Contact Person:

Mr. Mostafa Noor-E-Safa

Assistant Catering Sales Manager

1, Minto Road, GPO Box No. 504, Dhaka 1000, Bangladesh

Telephone: 880-2-8653636, 8358060

Fax No. 880-2-831-2915, 8312975

Email: Mostafa.Safa@sheraton-dhaka.com

Website: www.sheraton.com/dhaka

Room Rent in Dhaka Sheraton Hotel:

Rooms Category	Discounted Rate (in US\$)		Published Rate (in US\$)	
	Without Taxes	Including all Taxes	Without Taxes	Including all Taxes
Deluxe Single	US\$ 111++	US\$ 144 NET	US\$ 261++	US\$ 338 NET
Deluxe Double	US\$ 125++	US\$ 162 NET	US\$ 274++	US\$ 354 NET
Group Rate Deluxe Single (Min 20 Rooms)	US\$ 99++	US\$ 128 NET	US\$ 261++	US\$ 338 NET
Premium Deluxe (West new wing)	US\$ 145++	US\$ 188 NET	US\$ 288++	US\$ 373 NET

All the above rates include the following:

- 01 Complimentary room for the NSU official. (Only if you confirm 20 paid

- rooms)
- Complimentary 01 Buffet Breakfast per room per night. (Our regular price for one buffet breakfast is US\$ 16.00)
 - Complimentary 02 bottles of Local Mineral water per room per night.
 - Complimentary Welcome drinks on arrival.
 - NET rate inclusive of 12.5% service charge + 15% VAT (29.38% in Compound calculation).
 - Complimentary Tea/Coffee making facility in each room.
 - Free use of Health Club, Sauna, Jacuzzi and Steam.
 - Complimentary fruit basket on arrival.
 - Complimentary Daily News Paper.

2. **La Vinci Hotel**
(The World's Largest Hotel Chain)
Contact Person:

Mr. Tapash Ghosh
Manager, Sales & Marketing
Mobile Phone: +880 1712 113907

54, Kawran Bazar C/A, Dhaka-1215,
 Bangladesh
Telephone: 880-2-9119352
Fax No. 880-2-9131218

Website: www.bestwestern.com/bd/lavincihotel

Room Rent in La Vinci:

Rooms Category	Usual Rate	Special rate for NSU
Executive Deluxe Room One Large bed (Single occupancy)	USD 127.00	USD 70 Net
Executive Deluxe Room Two Separate Bed (Sharing occupancy)	USD 137.00	USD 80 Net
La Vinci Suite One Large Bed (Single occupancy)	USD 137.00	USD 90 Net
Extra Person/ Bed		USD 10 Net
All above rates are inclusive of 15% VAT and 10% Service charge. The rate will be valid till further notice.		

Complimentary services with the rooms:

- Buffet Breakfast
- Welcome drinks on arrival
- Airport pick-up service
- Drop and pick-up service to and from venue (Sheraton Hotel)
- A bottled water everyday per person
- Daily Newspaper
- Special Amenities provided in all bathrooms
- Free Access to Health Club (Gymnasium, Sauna, Jacuzzi, etc).

3. **Sundarban Hotel**
(An Enterprise of Al-Haj Kader & Sons Ltd.)

Contact Person:

Mr. M. Munsur Ahmed

General Manager

Mobile Phone: +880 1712 013470

1/D, Free School Street, Sonargaon Road, Dhaka-1205, Bangladesh.

G.P.O. Box No-3740

PABX: 8631394-5, 9675519, 8631402-05, 8631318

Telephone: 8631394-5, 9675519

Fax No. 88-02-8613341

Email: suntech@citechco.net

Room Rent in Sundarban Hotel:

Rooms Category	Usual Rate	Discount for NSU
Deluxe Suite Room	USD 65.00	15%
Deluxe Single Room	USD 40.00	15%
Deluxe Double Room	USD 48.00	15%
Standard Single Room	USD 30.00	30%
Standard Double Room	USD 35.00	30%
Note: ALL TAXES ARE INCLUDED.		

4. **Hotel Sweet Dream**

Contact Person:

Mr. M. Abdullah Abir

Sr. Executive-Sales & Marketing

Mobile Phone: 0191-007360 (T&T)

Kemal Ataturk Avenue, Banani, Dhaka-1213, Bangladesh

Telephone: 8631394-5, 9675519

Fax No. 88-02-8613341

Email: Sales@hotelsweetdream.com

Website: www.hotelsweetdream.com

Room Rent in Hotel Sweet Dream:

Rooms Category	Usual Rate	Special Discount rate for NSU
Executive-Queen Bed	USD 120.00	USD 35.00
Super Deluxe-King Bed	USD 170.00	USD 40.00
Deluxe- Twin	USD 160.00	USD 45.00
Suit-King Bed	USD 220.00	USD 110.00
Note: The above tariffs inclusive of Govt. Taxes & Service charges and complementary services.		

Complementary Facilities:

- Buffet Breakfast
- Local telephone calls & fax
- Airport Pickup & Drop
- Broadband Internet Access in every room or in Business Center
- Daily Newspaper & Fresh Flower
- GYM Club, Safety Locker
- Shoe Polishing, hair Dryer
- Dining: Breakfast in complementary. Lunch & Dinner is chargeable followed by the set menu & Buffet Lunch @ Tk. 250. Others are chargeable as per our regular menu price.

5. Hotel Sarina

Contact Person:

Md.Sharfuddin Newaz|

|Executive | Sales & Marketing | Hotel Sarina Dhaka

| Mobile-: 01911-713856, 01730-020332

|Phone: [880 2] 8851040-2, 8851011-4 | Fax: 880-2-9889989 |

| **27 Banani | Road 17 | C/A | Dhaka-1213** | Bangladesh |

| E-mail: sales@sarinahotel.com | reservations@sarinahotel.com

| www.sarinahotel.com |

Hotel Sarina – Dhaka’s 5 Star Business Hotel. The Hotel has now 201 guest rooms including 14 suites, 5 restaurants, 1 bar, 4 banquets, & Meeting rooms.

Room Categories	Rack Rates	Discounted Rate
Imperial Suite	US \$ 450++	US \$ 270++
Royal Suite	US \$ 270++	US \$ 162++
Crown Suite	US \$ 250++	US \$ 150++
Suite	US \$ 205++	US \$ 123++
Premium Twin	US \$ 175++	US \$ 105++
Premium King	US \$ 150++	US \$ 90++
Deluxe King	US \$ 130++	US \$ 78++
Regular	US \$ 110++	US \$ 66++

(Above rates is subject to 10% Service Charge & 15% Govt. Tax)

To avail the above discount facility prior reservations will be highly appreciated.

Please Note that all request of reservations must be forward in writing. This is an offer letter and does not automatically extend credit facility. The hotel has:

- **Risotto**- A cozy Bar with Italian Cuisine on 3rd Floor
- **Summerfields** – an International themed menu on 2nd Floor
- **Amrit** – A taste of Indian Cuisine on 2nd Floor
- **Picasso**- The Cigar Bar on 19th Floor
- **The Elite Club** - The Club Lounge
- **A Lobby Lounge**

Complimentary services:

- Buffet Breakfast
- Complimentary Internet Facilities in rooms
- One large bottle of mineral water per day
- Daily News paper
- Air port shuttle
- Welcome Drinks on arrival
- Fruit basket on arrival
- Use of Health Club (Modern Gymnasium, Steam & Sauna) and Swimming Pool

