



# LUMS 2<sup>nd</sup> International Conference on Mathematics and its Applications in Information Technology

In collaboration with Abdus Salam School of Mathematical Sciences,  
GC University, Lahore Pakistan

March 9 - 12, 2008

<http://web.lums.edu.pk/licm08>



## CALL FOR PAPERS

The Second LUMS International Conference on Mathematics and its Applications in Information Technology will be held in collaboration with Abdus Salam School of Mathematical Sciences, GC University, Lahore at the beautiful campus of LUMS in March 2008 over four days. It will be attended by various world leaders in mathematics and by postgraduate students. This conference will provide a forum for researchers and educators from around the world to present their results and exchange ideas and information in the latest developments in all areas of Mathematics.

The conference features 45 minute talks by keynote speakers, 30 minute talks by invited speakers and 20 minute talks by paper presenters. For more information, please visit the link: Submission of Full Paper. Faculty members are encouraged to suggest to their PhD students that the Second LUMS International Conference on Mathematics is an appropriate place to present their research papers. The conference will cover a broad range of topics in Mathematical research. The topics include, but are not limited to:

- Applied Mathematics • Pure Mathematics • Industrial Mathematics • Financial Mathematics • Actuarial Mathematics
- Information Technology for Mathematics • Discrete Mathematics

### National Organizing Committee

#### Honorary Chair:

- Prof. Dr. Syed Zahoor Hassan  
Vice Chancellor,  
Lahore University of Management Sciences (LUMS).

#### Convener:

- Dr. Faqir M Bhatti  
Department of Mathematics,  
Lahore University of Management Sciences (LUMS).  
Email: [fbhatti@lums.edu.pk](mailto:fbhatti@lums.edu.pk)

#### Members:

- Dr. A.D.R. Choudary  
Abdus Salam School of Mathematical Sciences, GCU, Lahore.
- Mr. Asim Butt  
Lahore University of Management Sciences, Lahore.
- Dr. Fakhar-ul-Islam Lodhi  
National University of Computer and Emerging Sciences, Lahore.
- Dr. Khuram Afridi  
Lahore University of Management Sciences, Lahore.
- Dr. Malik Zaawar Hussain  
University of the Punjab, Lahore.
- Dr. Masood H. Shah  
Lahore University of Management Sciences, Lahore.
- Dr. M. Naeem Qureshi  
Lahore University of Management Sciences, Lahore.
- Dr. Shafay Shamail  
Lahore University of Management Sciences, Lahore.
- Dr. S.M. Husnine  
National University of Computer and Emerging Sciences, Lahore.
- Dr. Sultan Sial  
Lahore University of Management Sciences, Lahore.

### Regional Coordinators for Conference

- Dr. Ahmed Ali Shah  
Institute of Business Administration (IBA), Karachi.
- Dr. Gulzar Ali Khan  
University of Peshawar, Peshawar.
- Dr. Muhammad Anwar Choudhary  
Bahauddin Zakariya University, Multan.
- Dr. Muhammad Ayub  
Quaid-i-Azam University, Islamabad.
- Dr. Muhammad Nawaz  
Balochistan University of Information Technology and  
Management Sciences (BUIITMS), Quetta.

### Local Program Committee

#### Co-Chairs:

- Dr. Sultan Sial  
Head, Department of Mathematics  
Lahore University of Management Sciences (LUMS), Lahore.
- Dr. S. M. Husnine  
Director,  
National University of Computer and Emerging Sciences Lahore.

#### Members:

- Dr. Arif M. Bhatti  
GIFT University, Gujranwala.
- Dr. Ghazala Sadig  
Institute of Space Technology, Islamabad.
- Dr. Ghulam Gharber Abbasi  
COMSATS Institute of Information Technology, Lahore.
- Dr. Mohammad Anwar Rao  
Forman Christian College, Lahore.
- Dr. Muhammad Aslam Chaudhry  
GCU University, Lahore.
- Dr. Muhammad Hanif Mian  
Lahore University of Management Sciences, Lahore.
- Dr. Muhammad Ozair Ahmad  
University of Engineering & Technology, Lahore.
- Dr. Nassarudin Khan  
University of Karachi, Karachi.
- Dr. Shahid S. Siddiqui  
University of Punjab, Lahore.
- Dr. Tahir Nasreen Buttler  
Lahore College for Women University, Lahore.
- Dr. Tahir Mahmood  
Islamia University, Bahawalpur.
- Dr. Zaeem H. Jafri  
Lahore University of Management Sciences, Lahore.

#### Key Note Speakers

- Aleksander Malinc (Slovenia)
- Ari Laptov (Imperial College, London)
- Bernd Wegner (TU, Berlin, Germany)
- Dato Roshan M. Ali (USM, Malaysia)
- Dorin Popescu (University of Bucharest, Romania)
- Eddy Tri Baskoro (Institut Teknologi Bandung, Indonesia)
- Esmail Babolian (Teacher Training University, Iran)
- Genghua Fan (Fuzhou University, China)
- Jin Ho Kwak (Pohang Univ. of Sc. & Tech, Republic of Korea)
- Juergen Herzog (University of Essen, Germany)
- Michel Marie Deza (Ecole Normale Supérieure, France)
- Pavel Exner (Doppler Institute for Mathematical Physics and Applied Mathematics, Czech Republic)

- Peter Wild (University of London, U.K.)
- Ulrich Krauer (Carl von Ossietzky Univ., Germany)

#### Invited Speakers

- Carlos Martins da Fonseca (University of Coimbra, Portugal)
- Christian Mauduit (University de la Mediterranee, France)
- Ennio Giulii (University of Aquila, Italy)
- Faiz Ahmad (CAMP, NUST, Islamabad, Pakistan)
- Hassan Azad (LUMS, Pakistan)
- Jack H Koolen (Postech, South Korea)
- Jafar Baizer (Gulf University, Rasht, Iran)
- Matt Davison (University of Western Ontario, Canada)
- M. Akram Javaid (University of Engg. and Tech, Taxila, Pakistan)
- Ng Wee Lang (NTU, Singapore)
- R.J. Critts (Univ. of Birmingham, U.K.)
- Sang-Gu-Lee (Sungkyunkwan University, Korea)
- Sheng Bau (Fuzhou University, China)
- S.M. Aqil Burney (Univ. of Karachi, Pakistan)
- Sobaib A. Khan (LUMS, Pakistan)
- Tasawar Hayat (Quaid-i-Azam Univ., Islamabad, Pakistan)
- Yan-Quan Feng (Northern Jiaotong Univ, China)

#### International Program Committee

Chair: A.D.R. Choudary (CWU-USA & ASSMS, GCU, Pakistan)

#### Members:

- Abdullah Sadig (GKI, Pakistan)
- Alexander Dimca (Univ. of Nice, France)
- Alexander Kondratyev (HSPU, Russia)
- Ari Laptov (Imperial College, London)
- Arif Zaman (LUMS, Pakistan)
- B.K. Dass (University of Delhi, India)
- Bernd Wegner (TU, Berlin, Germany)
- C.G. Gibson (Univ. of Liverpool, U.K.)
- Changiz Esalachi (Shahid Beheshti Univ, Iran)
- Cheryl E. Praeger (Univ. of Western Australia, Australia)
- Dato Roshan M. Ali (USM, Malaysia)
- Dmitry A. Leites (Max-Planck-Inst., Germany)
- Dragan Marusic (Slovenia)
- Eddy Tri Baskoro (Institut Teknologi Bandung, Indonesia)
- Esmail Babolian (Teacher Training University, Iran)
- Fred E Szabo (Concordia Univ. Montreal, Canada)
- Gerhard Pfister (Univ. of Kaiserslautern, Germany)
- Gil Strang (MIT, USA)
- H. Zaid (Arab Open University, Kuwait)
- Jafar Baizer (Gulf University, Rasht, Iran)
- Jieqing Tan (Hebei Univ. of Technology, China)
- Jin Ho Kwak (Pohang Univ. of Sc. & Tech, South Korea)
- Jesse Seade (UNAM, Mexico)
- Knut Morken (Univ. of Oslo, Norway)

- M. Olmos (Washington State Univ., USA)
- Mark Bashmakov (PL, Germany)
- Matt Davison (University of Western Ontario, Canada)
- Michel Marie Deza (Ecole Normale Supérieure, France)
- Mirosław L. Majewski (Zayed University, U.A.E)
- Muharem Avdišpahić (Univ. of Sarajevo, Bosnia)
- Narong Punmim (Srinakharawit Univ., Thailand)
- Ng Wee Lang (NTU, Singapore)
- Nicolae Popescu (Univ. of Bucharest, Romania)
- P.J. Taylor (AMT, Canberra, Australia)
- Peter Wild (Univ. of London, U.K.)
- R. Mukandan (Univ. of Canterbury, New Zealand)
- R.J. Critts (Univ. of Birmingham, U.K.)
- Riaz Ahmad (Toby Learning Centre, U.K.)
- Sang-Gu Lee (Sungkyunkwan Univ, South Korea)
- Sever-Angel Popescu (Univ. of Civil Engg., Romania)
- Shaheer Sabah (KUTM, Malaysia)
- Stefan Vandewalle (KUL, Belgium)
- Stephen Glasby (Central Washington University, USA)
- Suthay Sunatit (Chiang Mai Univ, Thailand)
- Tao Tang (Hong Kong Baptist Univ., Hong Kong)
- Tetsuo Ida (Univ. of Tsukuba, Japan)
- Tom Apostol (Caltech, USA)
- Tudor Zamfirescu (Univ. of Dortmund, Germany)
- Ulrich Krauer (Oldenburg, Germany)
- Walter Roth (UBD, Brunei)
- Yan-Quan Feng (Northern Jiaotong Univ, China)

#### Prizes & Awards:

Prizes will be awarded in the following two categories:

#### Young Speaker Award

Four prizes will be awarded to the speakers, who are registered for PhD degree in a recognized University and who have not completed their PhD by 29th February, 2008. The Prizes are as under:-

-- FIRST Prize -- SECOND Prize

-- THIRD Prize -- CONSOLATION Prize

#### Overall Best Speaker

One Prize will be awarded to the Best Speaker presenting a contributed paper at the Conference.

#### Important Dates:

Last date of submission of abstract and full papers December 15, 2007

Feedback to authors and selection of papers December 31, 2007

Final paper drafting due (one of the authors must register and attend the conference) January 19, 2008

Registration Deadline February 10, 2008

#### Mailing Address:

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