Daily News 每日新闻

International Congress of Mathematicians — Tuesday, August 27, 2002 – No. 7

Announcement

Public lecture by Prof. Wu Wen-Tsun, Today! 2:00 PM at the China Museum of Science and Technology.

Buses will leave from the front of the International Convention Center at 1:15 PM. to take participants to the Museum.

Wu's lecture is part of an International Symposium on the History of Chinese Mathematics, which will be held at the same museum, Aug. 27, 9:00 AM – 12:30 PM and 2:00 PM – 5:00 PM. Buses will also be available for those who would like to participate the symposium in front of the BICC at 8:15 AM and 1:15 PM.

Change of Rooms

The lecture by Schwab, Christoph (Section 16) on Aug. 28, 9:00–9:45, is changed from CH10-12 to CH03.

Editorial Meeting

Acta Mathematicae Applicatae Sinica Editorial Meeting, Aug. 27, 16:15–17:30, R5023.

Scientific Program – Changes

Correction:

Elena Tchernykh's affilication is *Moscow State University, Russia.*

3. Number Theory

Short Talk: Tianze, *Small solutions of quadratic equations with prime variables in arithmetic progressions*, From Aug. 27, 18:05–18:20, Wang, R5015 ⇒ Aug. 27, 16:45–17:00, R5015.

Short Talk: Adamczewski, Boris *Arithmetical and combinatorial properties of irrational rotations*, From Aug. 27, 17:20–17:35, R5015 ⇒ Aug. 27, 17:00–17:15, R5015.

Cancellation

4. Differential Geometry

Short Talk: Aug. **27**, 14:10–14:25, Kuciuk, L. *An introduction to the Smarandache geometries*, CH14.

Short Talk: Aug. **27**, 14:25–14:40, Gong, Jianhua *On quasiconformally homogeneous manifolds in space*, CH14.

8. Real and Complex Analysis

Short Talk: Aug. **27**, 16:15–16:30, Ma, Jinxi, *Extremal problems of convex univalent functions*, CH03.

9. Operator Algebras and Functional Analysis

Short Talk: Aug. **27**, 14:25–14:40, Li, Yangrong, *Contraction integrated semigroups and their applications to continuous-time Markov chains*, R3051.

10. Probability and Statistics

Short Talk: Aug. **27**, 13:55–14:10, Sun, Liuquan, *Regression analysis for a semi-parametric model with panel data*, R5020.

Short Talk: Aug. **27**, 15:00–15:15, Deng, Aijiao, *Vector-valued random self-similar multifractal measures*, CH03.

16. Numerical Analysis and Scientific Computing

Short Talk: Aug. **27**, 13:55–14:10, Zhang, Shugong *Algebraic interpolation on manifold and the instability of the interpolation nodes*, R5023.

ad-hoc Talks and Posters

2. Algebra

Short Talk: Vámos, P. (Unversity of Exeter, United Kingdom), *Matrix type of rings*, Aug. 27, 15:30–15:45, R3058.

4. Differential Geometry

Short Talk: Piccione, Paolo (Universidade de So Paulo, Brazil), *Group valued maps and a construction of the Maslov index for Lagrangian paths in infinite dimension*, Aug. 27, 14:25–14:40, CH14.

5. Topology

Short Talk: Skopenkov, Arkadiy (Moscow State University, Russia), *The Whitehead torus, the Hudson-Habegger invariant and classification of embeddings of 4-manifolds into R^7*, Aug. 27, 18:05–18:20, R3030.

Short Talk: Elena, Koudriavtseva (Moscow State university, Russian), *Wecken property for roots of mapping between surfaces*, Aug. 27, 14:25–14:40, R3030.

6. Algebraic and Complex Geometry

Short Talk: Nieto, Isidro (Instituto de fisica y matematicas, Universidad Michoacana, Mexico), *Visualization of real quartic surfaces containing 16 skew lines*, Aug. 27, 17:00–17:15, CH14.

8. Real and Complex Analysis

Short Talk: Singh, Anand Prakash (University of Jammu, India), *Sharing values and normality of meromorphic functions*, Aug. 27, 17:00–17:15, CH03.

9. Operator Algebras and Functional Analysis

Short Talk: Wu, Shuhong (Wuhan University, China), *A property of numerical range of operators*, Aug. 27, 15:15–15:30, R3051.

11. Partial Differential Equations

Short Talk: Mshimba, Ali Seif (University of dar es Salaam, Tanzania), *The generalized Riemann-Hilbert boundary value problem with piece-wise continuous boundary data for polyanalytic function of order n in weighted Sobolev space $W_{n,p}(D, d^{\mu}(z))$*, Aug. 27, 14:45–15:00, R5016.

Short Talk: Yang, Xiaozhou, (Shantou University, China), *On Global Solutions and Elementary Waves of Multi-dimensional Conservation Laws*, Aug. 27, 15:30–15:45, R5014.

Short Talk: Escaner, Jose Maria IV L. (University of the Philippines-Diliman, Philippines), *On the local existence of a p-Laplacian type PDE $u_t = \Delta_p u + (|u|^{q-2})(1-|x|)^{-\alpha}$, $2 < p < q$*, Aug. 27, 15:30–15:45, R5021.

12. Ordinary Differential Equations and Dynamical Systems

Short Talk: Mestel, B. (Exeter Univ., UK), *Renormalisation in quasiperidically driven quantum systems*, Aug. 27, 14:25–14:40, R5020.

Short Talk: Panakhov, E. and Unal IC (Firat University, Turkey), *On the inverse problem for Dirac system*, Aug. 27, 15:30–15:45,R5020.

14. Combinatorics

Short Talk: Bau, Sheng (University of Natal, South Africa), *On Cycles in Regular Graphs*, Aug. 27, 17:00–17:15, R5021.

16. Numerical Analysis and Scientific Computing

Raslan, Kamal R.M. (Al-Azhar University, Egypt), *A computational method for the equal with (EW) equation*, Aug. 27, 15:15–15:30, R5017.

17. Applications of Mathematics in the Sciences

Rathinasamy, Sakthivel (Inha University, South Korea), *Controllability of nonlinear systems in Banach spaces*, Aug. 27, 14:25–14:40, R5018.

18. Mathematics Education and Popularization of Mathematics

Short Talk: Hirahata, Hirotoshi (Kagawaken Otemae Takamatsu High School, Japan), *Our activities at math group (MSG) for high school teachers in Kagawa*, Aug. 27, 17:00–17:15, R3058.

Short Talk: Zimmermann, Bernud (University of Jena, Germany), *On Heuristics in Ancient Arabic and Chinese Mathematics and use in textbooks*, Aug. 27, 18:05–18:20, R3058.

Informal Seminar on Matrix Problems

Aug. **27**, 16:15–17:00, R5014, Roiter, A. *Representations of Marked quivers.*

Suggestion and Discussion

Some suggestion for the Organization of forthcoming International Congresses.
In order to improve interaction among mathematicians we would like to make a few suggestions for forthcoming congress.
The huge increase of mathematical activity creates new organizational problems.
We think that the main and specific goal of the ICM is to give an overview of what is done in mathematics on all subjects and in all countries. We think in particular that the present organization of short communications and poster sessions has no ability to match this goal for different reasons: Poster sessions take place in not a very attractive room, short communications (fifteen minutes) are necessarily specialized, moreover they are in conflict with one another and with the invited lectures. (around 12 short communications and 7 invited lectures at the same time); consequently there is no way to interact with the author after his/her talk.
We make this suggestion: Present short communications and poster sessions should be replaced by a big poster session or more likely by a "mathematical fair on (ad-hoc section)". This should take place in a central and convenient hall. Any contribution can be presented in the presence of the author; this fair could last around $1\frac{1}{2}$h on midday (11:00 to 12:30 for example). These might be scheduled in conflicts with each other but not with an invited lecture. This organization seems to have many advantages: Not too much constraining scheduling (it will replace going around among short communications Section 10 for example). Each author can attract any mathematician interested by the subject. Participants are free to walk and look around so it might give a good opportunity of meeting between any two or more mathematicians interested in the subject. More generally, it provided a free time to talk about the subject, and so, this fair can better match the particular goal of the international congress.
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China's Ancient Mathematical Toys Exhibition

In celebration of the ongoing ICM2002 in Beijing, China Science and Technology Museum is presenting a China's Ancient Mathematical Toys Exhibition in collaboration with the Beijing Toys Association. Admission to the exhibition is free. All ICM participants are welcome to visit the exhibition, as well as the permanent exhibits of China Science and Technology Museum, which is located at 1 Bei San Huan Zhong Lu, Beijing.

Correction

The correct address of the web-page in "**The Abel Prize**" in Daily News, August 26, 2002 (No. 6) is `www.math.uio.no/abel`

Good News For All Mathematicians In China

Mathematicians at Universities & Research Institutes in China which have joined the LINK Consortium can browse the electronic version of both Springer & Birkhauser's Journals via:

`springer.lib.tsinghua.edu.cn`

Footloose Tours

A brief of descriptions of the footloose tours on August 27 are as follows.

Tour 3: Chinese Ethnic Culture Park (Zhong Hua Min Zu Yuan); booked out

Description: This culture park is indeed a big museum of the nationalities of China. China has 56 nationalities. In this park, houses (villages) of all the different nationalities can be found. Culture shows, such as special dances, wedding ceremonies, songs, festival celebrations of different ethnic groups, are given in the park regularly.A visit to this park will at least give you a flavour of China's multinational cultures.

Meeting: **9:00 a.m.** on the road in front of BICC

Duration: aprrox. 3 hours

Entrance Fee: 60 yuans

Tour 7: Ancient Observatory (Gu Guan Xiang Tai); booked out

Description: This ancient observatory seats on a high platform which was used to be the battlements of a watchtower on the Beijing city walls. An astronomical observatory was set up around this site in 1279 during the Yuan Dynasty, and astronomical instruments designed and made by the famous astronomer, hydraulics engineer and mathematician Guo Shou Jing and by other astronomers were installed on the top of the observatory. The observatory and instruments were the most advanced in the world at that time.

Meeting: **9:00 a.m.** on the road in front of BICC

Duration: aprrox. 3 hours

Entrance Fee: 10 Yuans

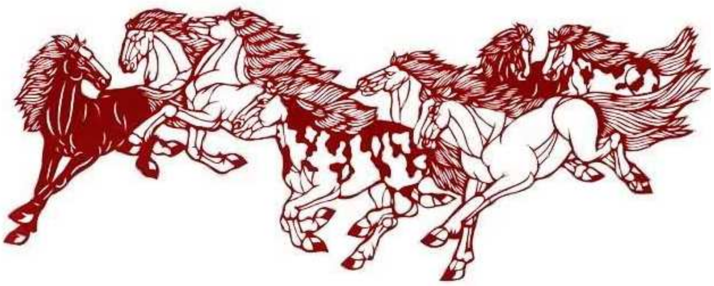
Tour 1: Great Bell Temple (Da zhong si); booked out

Description: Situated in Haidian in the northwestern suburbs, the temple was built in 1732 in the reign of Emperor YongZheng of the Qing Dynasty. Its original name is Temple of Awakening (Jueshengsi), and because of the famous bell it houses it has popularly been known as the Great Bell Temple. It is the largest bell in China and the second largest in the world. Originally it was one to the six to be hung at the six corners of the city walls to strike the hours, but now it is the only re maining one.The Bell is also know as the Avatamsaka Bell because it bears the full text of all 81 volumes of the Lotus Scripture(the Avatamsaka Sutra). It is sometimes referred to as the Yongle Bell since it was cast by the order of Emperor Yongle of the Ming Dynasty in 1406.

Meeting: **3:00 p.m.** on the road in front of BICC

Duration: aprrox. 3 hours

Entrance Fee: 10 Yuans



Running Horses (Chinese Paper-Cut)

Daily News of the International Congress of Mathematicians, August 20–28, 2002, Beijing, China	*Editor in Chief*: Wenlin Li *Editors*: Qi Feng, Shirong Guo, Yafen Jin, Huimin Weng, Huijuan Wang, Qixiao Ye	*English Consultant*: Joseph C.Y. Chen *Latex Support*: Jinrong Wu