CALL FOR PAPERS

Conference on
Nonlinear Science and Complexity

August 07-12, 2006, Beijing, China

General Information:
This conference will provide a place to exchange recent developments, discoveries and progresses on Nonlinear Science and Complexity. The aims of the conference are to present the fundamental and frontier theories and techniques for modern science and technology, and to stimulate more research interest for exploration of nonlinear science and complexity. The conference will focus on fundamental theories and principles, analytical and symbolic approaches, computational techniques in nonlinear physical science and nonlinear mathematics. The general topics of interest in Nonlinear Physical Science and Complexity include but not limited to:

- Chaotic Dynamics and Transport in Classic and Quantum Systems
- Complexity and Nonlinearity in Molecular Dynamics and Nano-Science
- Complexity and Fractals in Nonlinear Biological Physics and Social Systems
- Lie Group Analysis and Applications in Nonlinear Science
- Nonlinear Hydrodynamics and Turbulence
- Bifurcation and Stability in Nonlinear Dynamic Systems
- Nonlinear Oscillations and Control with Applications
- Celestial Physics and Deep Space Exploration
- Nonlinear Mechanics and Nonlinear Structural Dynamics
- Non-smooth Systems and Hybrid Systems

The conference website can be found at http://www.siue.edu/ENGINEER/ME/NSC2006/index.html. Authors will have the option of having their full-length papers considered for publication in Communications in Nonlinear Science and Numerical Simulation (Elsevier). The journal website can be found at http://www.sciencedirect.com/science/journal/10075704. The format of the manuscripts for this conference should follow the CNSNS journal format http://authors.elsevier.com/GuideForAuthors.html

Conference Organizers:

<table>
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<tr>
<th>Co-Technical Chair</th>
<th>Co-Technical Chair</th>
<th>Activity Chair</th>
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<tbody>
<tr>
<td>Professor Albert C.J. Luo</td>
<td>Professor Hamid R. Hamidzadeh</td>
<td>Professor Liming Dai</td>
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Submission and Review Schedule:
- January 31, 2006: Full Manuscript Due.
- May 1, 2006: Submission of Final Paper.

For more detailed information, please contact aluo@siue.edu.
Registration and Fees Information

The deadline for registration: April 15, 2006

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<th>Important Dates</th>
<th>Authors and Participants (Registration)</th>
<th>Spouse Fees (Lunches and Tours)</th>
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<tr>
<td>Before April 15, 2006</td>
<td>US$400</td>
<td>US$200</td>
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<tr>
<td>After April 15, 2006</td>
<td>US$500</td>
<td>US$300</td>
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Cancellation should be completed before June 30, 2006. After June 30, 2006, only 50% registration fees will be refunded. For further information on registration and tour, please contact Dr. Dai via Liming.Dai@uregina.ca.

Tour Programs

The conference will arrange two tours, including the Forbidden City and the Great Wall. For spouse, the shopping program is available.

Forbidden City, Beijing

The Forbidden City (called Gu Gong in Chinese) was the imperial palace during the Ming and Qing dynasties. The Forbidden City is to the north of Tiananmen Square. Rectangular in shape, it is the world’s largest palace complex and covers 74 hectares. Surrounded by a six meter deep moat and a ten meter high wall are 9,999 buildings. The wall has a gate on each side. Opposite the Tiananmen Gate, to the north is the Gate of Devine Might (Shenwumen), which faces Jingshan Park. The distance between these two gates is 960 meters, while the distance between the gates in the east and west walls is 750 meters. There are unique and delicately structured towers on each of the four corners of the curtain wall. These afford views over both the palace and the city outside. The Forbidden City is divided into two parts. The southern section, or the Outer Court was where the emperor exercised his supreme power over the nation. The northern section, or the Inner Court was where he lived with his royal family. Until 1924 when the last emperor of China was driven from the Inner Court, fourteen emperors of the Ming dynasty and ten emperors of the Qing dynasty had reigned here. Having been the imperial palace for some five centuries, it houses numerous rare treasures and curiosities.

Great Wall, China

Construction of the Great Wall started in the 7th century B.C. The vassal states under the Chou Dynasty in the northern parts of the country each built their own walls for defense purposes. After the state of Chin unified China in 221 B.C., it joined the walls to hold off the invaders from the Xiongnu tribes in the north and extended them to more than 10,000 li or 5,000 kilometers. This is the origin of the name of the 10,000-li Great Wall. The Great Wall was renovated from time to time after the Chin Dynasty. A major renovation started with the founding of the Ming Dynasty in 1368, and took 200 years to complete. The wall we see today is almost exactly the result of this effort. With a total length of over 6,000 kilometers, it extends to the Jiayu Pass in Gansu Province in the west and to the mouth of the Yalu River in Liaoning Province in the east.

Chinese Calligraphy