

First Announcement & Call for Mini-Symposia

The 4th International Conference on Dynamics, Vibration and Control (ICDVC-2014)



August 22-25, 2014
Shanghai, China

<http://www.ICDVC2014.org>

Sponsor:

Chinese Society of Theoretical and Applied Mechanics
(CSTAM)

Organizers:

Shanghai Institute of Applied Mathematics and
Mechanics (SIAMM), Shanghai University

Co-sponsors (partial list):

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PLA University of Science and Technology
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GENERAL INFORMATION

ICDVC-2014, the 4th International Conference on Dynamics, Vibration and Control, will be held on August 22-25, 2014 in Shanghai, China.

Chairmen

H.Y. Hu *Beijing Institute of Technology, China*
C.D. Mote, Jr. *University of Maryland, College Park, USA*

Co-Chairmen

G.R. Chen *City University of Hong Kong, China*
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International Scientific Committee (partial list)

M. Amabili *McGill University, Canada*
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B. Balachandran *University of Maryland (College Park), USA*
E. Butcher *New Mexico State University, USA*
D.Q. Cao *Harbin Institute of Technology, China*
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S.H. Chen *Sun Yat-sen University, China*
L. Cheng *Hong Kong Polytechnic University, China*
M. F. Daqaq *Clemson University, USA*
M. de Leon *Instituto de Matemáticas y Física Fundamental, CSIC, Spain*
A. Erturk *Georgia Institute of Technology, USA*
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R.F. Fung *National Kaohsiung First University of Science and Technology, China*
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L. Huang *University of Hong Kong, China*
Z.L. Huang *Zhejiang University, China*
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T. Insperger *Budapest University of Technology and Economics, Hungary*
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Z.Q. Lang *University of Sheffield*
J.F. Li *Tsinghua University, China*
C.W. Lim *City University of Hong Kong, China*
C.S. Liu *Peking University, China*
B. Mace *University of Auckland, New Zealand*
G. Meng *Shanghai Aerospace Administration,*

China

Y. Narita
H. Ouyang
M. Pakdemirli
R. Parker
F. Pellicano

Z.K. Peng
O. Rossi
S.K. Saha
E. Schöll
R. Seifried
J. Śniatycki
J.Q. Sun
C.A. Tan
Q. Wang
R.B. Wang

Z.H. Wang

G.L. Wen
M. Wiercigroch
Y. Xiang
J. Xu
W. Xu

H. Yabuno
S.P. Yang
H.H. Yoo
H. Yoshimura
D. Zenkov
W. Zhang
W.D. Zhu

Local Organizing Committee

Chair: L.Q. Chen
Co-Chair: X.M. Guo
Secretary General: H. Ding

Keynote Lecturers (partial list)

H.Y. Hu *Beijing Institute of Technology, China*
D.J. Inman *University of Michigan, USA*
G.A. Leonov *St. Petersburg State University, Russia*
A.V. Metrikine *Delft University of Technology, Netherlands*
G. Stépá *Budapest University of Technology and Economics, Hungary*
K.W. Wang *University of Michigan, USA*

CALL FOR MINI-SYMPOSIA

Proposals of organizing special mini-symposia are welcome and encouraged, in which the following information should be indicated: title of the mini-symposium; name, affiliation, mailing address and e-mail address of the proposer(s); description of the topic of the mini-symposium (not exceeding 100 words); estimated numbers of speakers. In each mini-symposium for more than 10 participators (at least from 3 organizations in different countries), there will be one invited speaker with the registration fee remission. The deadline for mini-symposia proposal submission is December 30, 2013. Please send your proposal to Professor L.Q. Chen at icdvc2014@gmail.com

LANGUAGE

All presentations and printed materials shall be in English.

TOPIC OF THE CONFERENCE

1. Nonlinear Dynamics

Stability and Bifurcation
Chaotic Dynamics
Fractals in Dynamics
Control and Synchronization of Complex Systems

2. Vibration and Control

Vibration Analysis of Discrete or Continuous Systems
Passive and Active Vibration Controls
Signal Processing, Monitoring and Diagnostics
Mech-electrical Systems, Rotor Systems, and Other Engineering Application

3. Multi-body Systems

Modeling and Control of Multi-body Systems
Contact and Impact Problems
Numerical Simulations
Experimental Investigations
Engineering Applications

4. Analytical Mechanics

Systems with Constraints
Symmetry and Conservation
Birkhoffian Dynamics
Mathematical Methods in Analytical Dynamics

5. Interdisciplinary Topics

Neurodynamics
Dynamics in Ecology, Epidemic and Environmental Sciences
Dynamics of Biological Systems
Economy and Finance Dynamics
Micro-Systems, Micro-Structures and Nano-Systems
Dynamics of Railroad Vehicles and Transportation Systems
Spacecraft Dynamics and Control

CALL FOR PAPERS

The conference will consist of plenary speakers, symposia on a variety of topics, invited and contributed papers, and a poster session. Prospective symposium organizers are invited to submit a proposal as soon as possible. The proposal should consist of a title, a description, a list of speakers and titles of their presentations. The Organizing Committee will review contributed symposia. The number of symposia may be limited to retain the level of parallelism in the meeting sessions. Participants who intend to contribute a paper to the conference are invited to submit an abstract of **200 words** to the local organizing committee before the due date. The abstracts should clearly state the purpose, results and conclusions of the work to be described in the final paper.

Abstracts may be submitted in one of the following ways (Online submission is preferred):

Way 1: Submit Online

Abstract may be submitted through this website by Online Submission System.

Way 2: Submit by E-mail

Send your abstract(s) and full papers to one of the Conference Secretaries via Conference E-mail:

icdvc2014@gmail.com

PROCEEDINGS

The extended summary (2 A4 pages) for conference review will be posted on the website of the conference. A number of selected full papers will be recommended to publish in the following international journals subjected to peer review after the conference (partial list):

1. Journal of Sound and Vibration,
2. International Journal of Bifurcation and Chaos,
3. Acta Mechanica Sinica,
4. Science in China G,
5. Applied Mathematics and Mechanics (English Edition),
6. Theoretical & Applied Mechanics Letters.

PRE-REGISTRATION

Online pre-registration is preferred. Please finish pre-registration on the website:

<http://www.ICDVC2014.org>

If you wish to pre-register by e-mail, please download the Preliminary Registration Form from the above website, complete and return it to the conference secretaries (icdvc2014@gmail.com).

REGISTRATION FEE (include attending all the sessions of ICDVC2014, lunch, dinner, reception and banquet in Shanghai):

	Before July 1, 2014	After July 1, 2014
Overseas Participant	USD \$ 500	USD \$ 600
Overseas Accompanying Person	USD \$ 350	USD \$ 350
Overseas Student	USD \$ 400	USD \$ 450
Domestic Participant	RMB ¥ 3000	RMB ¥ 3500
Domestic Accompanying Person	RMB ¥ 2000	RMB ¥ 2000
Domestic Student	RMB ¥ 2400	RMB ¥ 2700

CONFERENCE VENUE

The Grand Mercure Shanghai Baolong Hotel has been selected for the symposium venue and accommodations:

Address: 180 Yixian Road, Hongkou District, Shanghai China

<http://www.baolongmercure.com>

IMPORTANT DATES

December 31, 2013	Mini-symposium proposal submission
May 1, 2014	Simple abstract submission
June 1, 2014	Notification of acceptance
July 1, 2014	Extended abstract submission & Early registration
August 10, 2014	Final Program on website

FURTHER INFORMATION

For manuscript/abstract submission, please contact our general secretary, Dr H. Ding at icdvc2014@gmail.com

For programs and other enquiries, please contact our Local chair, Professor L.Q. Chen at icdvc2014@gmail.com

The website of the conference is <http://www.ICDVC2014.org>