

2ND ASME/IEEE INTERNATIONAL CONFERENCE ON RECONFIGURABLE MECHANISMS AND ROBOTS

8-11 July 2012
Tianjin University, China

CALL FOR PAPERS

With the development of science and technology and with space exploration, hazardous environment work, and production requirements of small batch and quick change-over, the traditional concept of mechanisms and robots development is facing a challenge in the 21st century to adaptability and reconfigurability.

The Second ASME/IEEE International Conference on Reconfigurable Mechanisms and Robots is to follow on the success of the First ASME/IEEE International Conference on Reconfigurable Mechanisms and Robots. This conference is meant to provide an international forum for presenting and discussing new mechanisms and robots emerged in the 1990s with topologically adaptable mechanisms or robots and for discussing their uses in domestic, hazardous, out-space and manufacturing environments. The main areas of this conference include the following subjects:

- Reconfigurable Mechanisms
- Reconfigurable Robots
- Reconfigurable Manufacturing
- Kinematics & Dynamics of Reconfiguration
- Variable Topology Modelling
- Bio-metamorphic Robotics
- Bio-reconfiguration Engineering
- Metamorphic Mechanisms
- Biological Self-Assembly Mechanisms
- Metamorphic Robotics
- Modular Devices

PAPER SUBMISSION

All papers must be submitted electronically in PDF format at the official submission website. Authors are requested to submit a full-length paper. Abstract-only papers are not acceptable. The length of a submitted paper should not exceed 10 pages and should be formatted in the proper publication style (Word and Latex templates available on the conference website). Submitted manuscripts should be original work and not concurrently submitted to any other forum. Submitted papers will be reviewed by members of the Programme Committee and selected external reviewers. Selected papers will be listed in EI Compendex and loaded to IEEE Xplore and further reviewed and published in special issues of leading international journals. Details of the submission procedure are available on the official conference website (www.ReMAR2012.com or www.kcl.ac.uk/nms/depts/engineering/research/Robotics/Conferences/ReMAR2012/index.aspx).

SPECIAL SESSIONS AND WORKSHOPS

The ReMAR 2012 Committee welcomes participants to organize special sessions or workshops that are on or close to the above listed topics in this conference. Interested individuals should submit proposals to the secretariat by **31 October 2011**. Submitted proposals will be evaluated by the Programme Committee.

LOCATION

ReMAR 2012 will be held at Tianjin University, China, which is the first modern Chinese University and was established in 1895 as Peiyang University. Tianjin is one of four metropolis cities and is 29 minutes away from Beijing by a high-speed-train link.

CONFERENCE OPERATION CHAIR

Helge Wurdemann King's College London, UK helge.wurdemann@kcl.ac.uk

SECRETARIAT

| | | |
|----------------|---------------------------|--|
| Guowu Wei | King's College London, UK | guowu.wei@kcl.ac.uk |
| Ketao Zhang | King's College London, UK | ketao.zhang@kcl.ac.uk |
| Jianmin Li | Tianjin University, China | jianm.lee@gmail.com |
| Xinsheng Zhang | Tianjin University, China | zla3452@tju.edu.cn |
| Yun Qin | King's College London, UK | yun.qin@kcl.ac.uk |

LOCAL ORGANISING COMMITTEE

Yuhu Yang, Zhenjun Luo, Zhongxia Xiang, Guoguan Jin

More committee members can be found on the ReMAR 2012 website www.ReMAR2012.com or www.kcl.ac.uk/nms/depts/engineering/research/Robotics/Conferences/ReMAR2012/index.aspx

28 NOVEMBER 2011:

THE PAPER SUBMISSION SYSTEM WILL BE CLOSED ON TIME
(23:59:59 GMT, NOVEMBER 28TH, 2011)

CONFERENCE GENERAL CHAIR

Jian S Dai, UK

HONORARY CHAIRS

Marco Ceccarelli, Italy

Tian Huang, CHINA

Youlun Xiong, China

Huijun Zou, China

PROGRAMME CHAIRS

Xilun Ding, China

Xianwen Kong, UK

ORGANISING COMMITTEE CHAIRS

Matteo Zoppi, Italy

Weizhong Guo, China

Shuxin Wang, China

SCIENTIFIC COMMITTEE

Sunil Agrawal, USA

S.G.K. Ananthasuresh, India

Darwin G Caldwell, Italy

Greg Chirikjian, USA

Paolo Dario, Italy

Zhongquan Deng, China

Han Ding, China

Feng Gao, China

Grigore Gogu, France

Clément Gosselin, Canada

Raffaele Di Gregorio, Italy

Jacques M. Hervé, France

Shinichi Hirai, Japan

Larry L Howell, USA

Zhen Huang, China

Manfred Husty, Austria

Andrés Kecskeméthy, Germany

Vijay Kumar, USA

Haruhisa Kurokawa, Japan

Zexiang Li, Hong Kong

J. Michael McCarthy, USA

Rezia Molfino, Italy

Jun Ni, USA

Gordon Pennock, USA

Alberto Rovetta, Italy

Delun Wang, China

Guobiao Wang, China

Tianmiao Wang, China

Karl Wohlhart, Austria

Hong-Sen Yan, Taiwan

Tingli Yang, China

PROGRAMME COMMITTEE

Chao Chen, Australia

I-Ming Chen, Singapore

Howie Choset, USA

Lei Cui, USA

Pietro Fanghella, Italy

Dongming Gan, UAE

Qiaode Jeffrey Ge, USA

Just L Herder, Netherlands

Dennis Hong, USA

Chin-Hsing Kuo, Taiwan

Pierre M. Laroche, USA

Chung-Ching Lee, Taiwan

Duanling Li, China

Qinchuan Li, China

Hod Lipson, USA

Daniel Martins, Brazil

Anurag Purwar, USA

Ernesto Rodriguez, Mexico

Muthuswamy Sreekumar, India

Hai-Jun Su, USA

Philip Voglewede, USA

Jennifer E. Walter, USA

Caihua Xiong, China

Ligang Yao, China

Mark Yim, USA

Zhong You, UK

Jing Shan Zhao, China