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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. Since 1990s, researchers started to generate new ideas and concepts for new mechanisms and machines including robots for reconfigurability. This resulted in kinematically linkages, metamorphic mechanisms, and various topology, etc. The new mechanisms have a property of generating different topological configurations for reconfigurability and for various task requirements.

This conference is to provide an international forum for presenting and discussing new mechanisms and robots developed in the past decade with new properties of changing the topological structure of a mechanism or a robot and for discussing their uses for domestic, hazardous, out-space and manufacturing environments. The main areas of this conference include following subjects:

- Novel Mechanism Design
- Metamorphic Robotics
- Reconfigurable Manufacturing
- Bio-design Techniques
- Bio-metamorphic Robotics
- Reconfigurable Robots
- Biomimetics
- Artiormimetics
- Metamorphic Mechanisms
- Reconfigurable Mechanisms
- Reconfigurable Topology
- Various Topology Modeling
- Modular Devices
- Biological Self-Assembly Mechanisms
- Kinematics and Dynamics of Reconfiguration
- Bio-reconfiguration Engineering

Paper Submission

All papers submitted for review and publication must be delivered electronically in PDF format to the secretariat by email (remar2009@kcl.ac.uk). Authors are requested to submit a full-length paper and Abstract-only papers are not acceptable. The length of a submitted paper should not exceed 10 pages, formatted in the proper publication style (Word, LATEX & PDF templates available on the conference website). Submitted manuscripts should be original work, not concurrently submitted to any other venue. Submitted papers will be reviewed by members of the Programme Committee and selected external reviewers. Selected papers will be further reviewed and published in special issues of leading international journals. Details of the submission procedure are available on the official conference website: <http://www.kcl.ac.uk/cmms/remar2009>.

Special Sessions and Workshops

The ReMAR welcomes participants to organize special sessions or workshops that are close to the above subjects in this conference. The interested individual should submit a proposal to the secretariat by **1 November 2008**. Submitted proposals will be evaluated by the Programme Committee.

Location

The ReMAR 2009 will be held at King's College London, University of London, which is situated at the heart of London, UK, in conjunction to the celebration of 171 Years of Engineering at King's College London. King's is one of the oldest and most prestigious UK universities with 13,000 undergraduate students and 9,200 graduates in nine schools of study with 2700 academic staff and 2700 other staff. The Engineering was established at King's in 1838 and is arguably the oldest established engineering school in England. Of King's six campuses, the conference will be held in Waterloo Campus, located at the cross of Waterloo Bridge and the southern riverside of Thames, close to the Waterloo station. More information about the meeting location please refer to the conference website.

Important Dates

- 1 December 2008**, Final Paper Submission Due
- 2 February 2009**, Acceptance Notification
- 2 March 2009**, Final Manuscript Submission Due

Conference website <http://www.kcl.ac.uk/cmms/remar2009>



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