



5th International Workshop on Computational Kinematics CK2009

Duisburg, Germany, May 6-8, 2009

Third and final CALL FOR PAPERS

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Further support

The Workshop is supported by IFTToMM, the University of Duisburg-Essen as well as local industry.

Aims

The aim of the conference is to bring together researchers from the broad range of disciplines related to Computational Kinematics in an intimate, collegial and stimulating environment, where they can present and exchange their newest scientific results. The CK2009 Workshop is one of the activities of the IFTToMM Technical Committee for Computational Kinematics. The previous sites of this Workshop series were Schloss Dagstuhl (1993), Sophia Antipolis (1995), Seoul (2001) and Cassino (2005).

Site

The Workshop will be held at the Faculty of Engineering of the University of Duisburg-Essen in Duisburg. Duisburg is easily accessible from all European and Non-European countries, and it offers a good starting point to visit further places in northern Europe.

Topics

- Kinematic design and synthesis
- Computational geometry
- Motion analysis and synthesis
- Theory of mechanisms
- Mechanism design
- Kinematical analysis of robots and parallel manipulators
- Kinematical issues in biomechanics
- Molecular kinematics
- Computer animation and interpolation of kinematical motion
- Motor learning and control
- Robot motion planning
- Applications of computational kinematics
- Education in computational kinematics
- Theoretical foundations of kinematics

Social programme

The location of the workshop within the Ruhr area offers both interesting industrial sites as well as exciting cultural events, together with excellent gastronomy. An excursion will be organized so that participants can come together at one of these inspiring sites. Conference participants are invited for a banquet dinner to meet colleagues and enjoy the local hospitality.

Registration fees

Registration fees include conference proceedings, coffee breaks, reception and conference banquet, as well as excursions to the Ruhr and Lower Rhine region. The registration fees are:

Early registration	350 Euro
Registration after March 20, 2009	400 Euro
Students / Accompanying Persons	200 Euro

Further information

This is the third and final call for papers intended to inform about the dates and main aims and topics of the Workshop. More detailed information about accommodation, conference location and other topics are available at the conference site www.uni-due.de/ck2009.

Important Dates

Fixed Deadlines

Full paper submission: January 9, 2009
Acceptance notification: March 6, 2009
Final paper submission: April 3, 2009

Submission instructions and publication information

Authors are invited to submit a full paper to ck2009@uni-due.de following the conference format. Accepted papers will be published by Springer in an edited book. Registered participants will receive a copy of the book. The official language of the Workshop is English. Presentations will be one-track with 25 min. oral presentation and 5 min. discussion. Slide and overhead projectors for personal computers as well as VHS video systems will be available. Paper acceptance will be based on peer review by the workshop committees.