

**IFToMM Technical Committee
for Computational Kinematics**

PC site: <http://www-sop.inria.fr/coprin/EJCK/EJCK.html>

REPORT OF ANNUAL ACTIVITY 2006- May 2007

1- MEMBERSHIP CHANGES

New members have been nominated by different national committees. These issues will be discussed during the meeting of the TC at IFToMM world congress in Besancon on 18th June 2007.

2- STATEMENTS FOR THE ACTIVITY OF THE TC/PC

Computational Kinematics has become a vital community within IFToMM in the last years. Recent advances in the fields of symbolic and numeric computation as well as high performance computing have brought a renaissance of kinematics. It can be observed that the development proceeds with a different pace in different countries so it would be a major task within the TC to promote these new techniques e.g. in algebraic geometry and numerical computation (such as continuation methods) within the members of the TC and their local colleagues.

3- DISCUSSION OF RECENT ACTIVITIES

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4- MEETINGS AND VISITS

The next TC meeting is scheduled at the World conference in Besancon.

5-RESEARCH JOINT COLLABORATIONS AND EXCHANGES

Among the members of the TC are a lot of collaborations on an institutional or private basis. There should be some effort to channel these activities in joint project applications e.g. within European research frameworks.

6- CONFERENCE EVENTS

The next conference on Computational Kinematics will be 2009 in Duisburg

7- TEACHING ACTIVITIES

8- FUTURE PLANNED ACTIVITIES

see 6;

It is planned to organize a summer school for PhD students and Post Docs on new methods in Computational Kinematics.

9- OTHER RELEVANT INFORMATION

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Signature of Chair June, 6, 2007
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