

**Report of the Technical Committee
on Computational Kinematics**

September 7, 2005

1 Introduction

Computational kinematics (CK) is a domain which is slowly spreading in the mechanism community. We understand here under the term CK that branch of kinematics research involving intensive computation not only of the numerical type, but also of a symbolic or geometric nature. The TC on Computational Kinematics has now 18 members.

2 Events of 2004/2005

2.1 Workshop

The Committee has held 2 workshops during the 2004/2005 period.

- ARK, held in Sestri-Levante in June 2004
- CK 2005, held in Cassino in May 2005.

Both conferences were large success and we have noted the presence of young researchers, that show that our field is very active.

Selected papers from the CK conference are currently being processed for a special issue of Mechanism and Machine Theory.

2.2 New Chairman

The mandate of the current chairman will end at the EC meeting of September 2005. In a first step the Committee has considered the possibility of proposing Frank Park of Seoul National University (Korea) as new chairman of the Committee to the Executive Council.

Unfortunately F. Park, after having first accepted the tasks, has finally declined due to additional tasks that was assigned to him. Manfred Husty (University Innsbruck) has finally accepted to become the new Chairman and we propose him to the Executive Council (see M. Husty appended CV).

2.3 New members

New members have been proposed by the National Organization, see next table. The policy of the Committee is to propose as new members only researchers having a real activity in Computational Kinematics or having participated to workshops held by the Committee. According to this policy the Committee is proposing to the Executive Council the following new members:

- Patricia Ben-Horin, Technion - Israel Institute of Technology

Other names may be proposed to the next Executive Council Meeting but we must recommend to the National Organization:

1. to contact the TC Chairman before submitting nominees
2. to provide detailed information on the proposed nominees

Indeed the Committee wishes to be sure that the new members will have a real activity in Computational Kinematics. Hence it is necessary to be able to evaluate the nominees activities and their intentions. Unfortunately this has proven to be difficult and time consuming for most of the proposed nominees.

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