

IFTToMM Technical Committee for Computational Kinematics

REPORT OF ANNUAL ACTIVITY from June 2008..... To June 2009.....

To be completed in one page and emailed to the IFTToMM Secretary General (cajun@uaq.mx)

1- MEMBERSHIP CHANGES

One new member was proposed by the National Committees Mexico: Prof. José María Rico Martínez (Mexico). The formal request is to be moved from the Nonlinear Oscillations Committee to the Computational Kinematics Committee. He was not present at the last meeting of the TC. One new member was proposed by the TC Chair: Dr. Charles Pinto (Escuela Superior de Ingeniería de Bilbao, Spain). He was not present at the meeting. One observer was proposed by the TC Chair: Prof. Leila Notash (Queen's University, Canada). She was present. All TC members have approved the nominations. The full list of the TC members is in the Enclosure n.1 of the attached Report.

Appointment of the Chair of the TC for the next term 2009-2013: Prof. Doina Pislă has been appointed by TC.

Appointment of a "Secretary" to the TC for the next term 2009-2013: Dr. Erika Ottaviano has been appointed by TC.

2- STATEMENTS FOR THE ACTIVITY OF THE TC/PC

To coordinate and supervise the already existing events;

To update and continuously maintain the web page of the TC.

Look for possibilities to continue the Summer-Schools .

3- DISCUSSION OF RECENT ACTIVITIES

Two new members and one observer have been nominated for approval at the next EC meeting (Prof. José María Rico Martínez, Mexico; Dr. Charles Pinto, Spain and Prof. Leila Notash, Canada). The TC plans to go on with the effort to promote the field of Computational Kinematics and to attract conferences under IFTToMM patronage.

4- MEETINGS AND VISITS

Some members of TC have participated at EUCOMES 2008 held in Cassino, Italy organized by Prof. Marco Ceccarelli. A TC CK meeting was held during CK Workshop in Duisburg on May 6th 2009. This are the issues discussed here: Report of the previous meeting; Member nominations; Future Chair of TC; Future secretary of TC; Future activities; Next meeting.

5-RESEARCH JOINT COLLABORATIONS AND EXCHANGES

Nothing top report

6- CONFERENCE EVENTS

The 11th International Symposium on Advances in Robot Kinematics (ARK 2008) was held in Batz-sur-Mer, France in 22-26 June 2008. The symposium was organized by Prof. Philippe Wenger, the Institut de Recherche en Communications et Cybernétique de Nantes, France, in collaboration with Prof. Jadran Lenarcic, the J. Stefan Institute, Ljubljana, Slovenia, under the patronage of the IFTToMM. 48 reviewed accepted papers were published in a book by Springer Advances in Robot Kinematics: Analysis and design. 2008. The 5th CK Workshop was organized by Prof. Andres Kecskemethy and held in Duisburg, Germany on 6-8 May, 2008. Patronage was received by IFTToMM. 47 reviewed papers were published in a Springer book: Proceedings of the 5th International Workshop on Computational Kinematics. Both conferences are held under the auspices of the TC of CK.

7- TEACHING ACTIVITIES

Summer School "Mathematical Methods in Computational Kinematics" in Innsbruck (19-31.07.2009). Coordinator: Prof. Manfred Husty. The number of participants will be 32 from Europe, US, Canada, India which demonstrates the interest of the event. The Summer School mainly addresses PhD students and young researchers working in computational kinematics who want to broaden their methodological skills. The summer school will comprise the following topics: Interval analysis (Teacher: Charles Wampler, USA), Numerical continuation (J.P. Merlet, France), Algebraic geometry in Kinematics (M.N. Husty, Austria).

8- FUTURE PLANNED ACTIVITIES

The next ARK conference will be organized by Prof. Jadran Lenarcic and held in Slovenia in June 2010. The next EUCOMES conference will be organized by Prof. Doina Pislă in 2010 in Cluj-Napoca (14-18.09.2010). The proposal of TC for the next CK workshops: CK 2013 Workshop in Barcelona, Spain organized by Prof. Federico Thomas and CK 2017 in Sousse, Tunisia organized by Prof. Lotfi Romdahne.

9- OTHER RELEVANT INFORMATION

Nothing to report

Signature of Chair..... ..

Prof.Dr.-Ing. Doina Pislă
Technical University of Cluj-Napoca, Constantin Daicoviciu 15
RO-400020 Cluj-Napoca, ROMANIA
Tel: +40-264-401684, Fax: +40-264-401765
E-mail: Doina.Pislă@mep.utcluj.ro
doinapislă@yahoo.com

Date: 15.06.2009