

EUROMECH

EUROPEAN MECHANICS SOCIETY

Final Report

Please send this report to the Secretary General of EUROMECH, within one month after the Colloquium.

EUROMECH Colloquium No. 404

Title: Advances in Computational Multibody Dynamics

Dates and location: September 20-23, 1999. Instituto Superior Técnico, Lisboa, Portugal

● Chairperson: Prof. Jorge A.C. Ambrósio

Co-Chairperson: Prof. Werner O. Schiehlen

● Is there need of another Colloquium on the same or a related subject? Which year? Yes! 2001 or 2002.

Full registration fee: €200

What other funding was obtained? The extra funding received was: Fundação para a Ciência e Tecnologia €2000; Fundação Calouste Gulbenkian €1500.

What were the participants offered? Book of Proceedings; Opening Reception (Sept 19); Reception (Sep(20)); Working lunches; Coffee-Breaks;

Number of members of EUROMECH (reduced registration fee): 16

● Number of non-members of EUROMECH (full registration fee): 48

Number of participants from each country:

Austria	1	Germany	20	Romania	
Belgium	1	Great Britain	1	Russia	2
● Bielorussia		Greece		Slovakia	
Bosnia		Hungary		Slovenia	
Bulgaria		Ireland		Spain	5
Croatia	1	Italy	3	Sweden	1
Czech Republic	2	Latvia		Switzerland	2
Denmark	2	Lithuania		Ukraine	1
Estonia		Netherlands	3	Yugoslavia	
Finland		Norway		Others	9
France	2	Poland	3	Total	64
Georgia		Portugal	5		

Please turn

Scientific Report

The Colloquium 404, that is now the subject of this report, was prepared by the chairman and co-chairman, assisted by a small scientific committee. This structure was instrumental in giving visibility to the event, selecting the presentations offered, assisting the works of the Colloquium and reviewing the written communications for eventual publication in an international journal.

Colloquium preparation:

Upon the approval of the Colloquium by EUROMECH several actions were launched to promote it in the scientific community. A announcement was distributed in Conferences and mailed to scientists active in the areas addressed by the Colloquium. Announcements were also published in the international journal *Multibody Systems Dynamics*. A web page, with the address www.dem.ist.utl.pt/~EUROMECH, was created and maintained to support the Colloquium and to provide updated information on its preparation and running.

Potential participants were offered the opportunity to deliver presentations during the Colloquium. The abstracts of the proposed presentations were received until February 1, 1999. The members of the Scientific Committee were then asked to evaluate the communications offered. Among the 71 proposed abstracts 56 were selected for presentation being the authors informed of the decision by March 1, 1999. Due to the high number of quality contributions offered, each potential participant was allowed only one communication. All accepted abstracts were made available to the community through the Colloquium web page. The authors were offered the possibility of providing full length papers to support their presentations.

After receiving the confirmation of the participation of the communication authors, a work programme was put together for the Colloquium. This programme was sent to each pre-registered participant by e-mail and normal mail and made available in the Colloquium web page.

Colloquium works

The scientific works of the colloquium took place in the Conference room of Instituto Superior Técnico, which has a capacity to accommodate 200 people. Projection equipment, available to all participants, included overhead, video and computer projectors. The works of the Colloquium were supported by a book of pre-prints, with a total 51 manuscripts in 900 pages, which was distributed to all participants during registration.

The scientific programme of the Colloquium included 14 sessions during the 3 ½ days of works. Each morning and afternoon had two sessions separated by an ½ hour coffee-break. Each session included 4-5 presentations (20 minutes each), which were followed by discussions arbitrated by the session chairman, nominated among the members of the Scientific Committee and senior researchers attending the meeting.

Throughout the Colloquium works the average presence of participants in the room was 60. The high quality of the communications offered and the presentations delivered contributed to very lively discussions which greatly enhanced the scientific contents of the works.

Post-Colloquium activity

The members of the Colloquium scientific committee pre-screened the manuscripts offered for this event and made recommendations concerning their review and possible publication. The papers that were found to have potential for publication in the international journal *Multibody Systems Dynamics* are now being formally reviewed. Selected papers will be published in the journal during the year 2000.

Grants to young participants

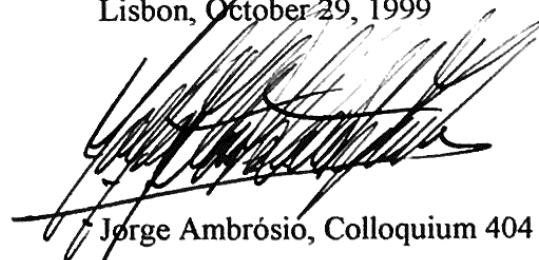
The following participants were offered a \square 100 grant, according to the regulations setup by EUROMECH:

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Lisbon, October 29, 1999



Jorge Ambrósio, Colloquium 404 Chairman