

Minutes of the Meeting of the Scientific Committee for MUSME held in Uberlandia on March 8, 2005.

Agenda 2005

- 1 – Report of MUSME 2005
- 2 - Members and Appointment of new members
- 3 – Proposals for next MUSME events
- 4 – Other activity
- 5 - Other businesses

Present people

Marco Ceccarelli (Italy) – ceccarelli@ing.unicas.it
Tatu Leinonen (Finland) – tatu@me.oulu.fi apologized
Javier Cuadrado (Spain) – javicuad@cdf.udc.es apologized
Manfred Husty (Austria) – manfred.husty@uibk.ac.at
Vicente Mata Amela (Spain) – vmata@mcm.upv.es apologized
Leo Joskowicz (Israel) – josko@cs.huji.il apologized
Joao Carlos Mendes Carvalho (Brazil) – jcmendes@mecanica.ufu.br
Mario Acevedo (Mexico) – macevedo@mx.up.mx apologized
Marek Kujath (Canada) – marek.kujath@dal.ca not present
Jorge Ambrosio (Portugal) – jorge@dem.ist.utl.pt not present
Carlos Munares Tapia (Perù)
Pietro Fanghella (Italy)

1 – Report of MUSME2005

Prof Joao Carlos Mendes Carvalho has reported on the activity for the organization and on the results of the MUSME2005 event. His report is enclosed as an appendix of these minutes.

Prof Ceccarelli has reminded that MUSME is held under the auspices of IFToMM, the International Federation for Promotion of Mechanism and Machine Science, and FeIbIM, Iberoamerican Federation of Mechanical Engineering, and therefore within the activity of the IFToMM Technical Committee for Mechatronics (whose Chair is Prof. Henrik Van Brussel) and FeIbIM Committee for Mechatronics and Robotics (whose Chair is Prof. Marco Ceccarelli).

Dr Marco Mazzù of North-Holland of FIAT Group informed two weeks before MUSME 2005 that he was promoted to a director position in London and he would not be able to give the scheduled general lecture but he indicated Dr. Walter Pype from his company to give the lecture that was very interesting and attractive. Prof Henrik Van Brussel cancelled his trip to Uberlandia three days before MUSME 2005 which caused great troubles to the Local Organizers to find a proper substitute for the second general lecture. Prof Mendes Carvalho solved this last-minute problem by inviting Prof. Domingos Alves Rade of Uberlandia University to give a very interesting lecture on theoretical development applied to multibody systems and mechatronics.

The Proceedings have been made in a CD-ROM without copyright in order to allow the authors to publish their works in suitable journals. This will be a character of the MUSME events. In addition, the idea of having specific session(s) for students' works to present their prototypes and studies was considered very useful to better characterize the MUSME events as a conference event dedicated to students.

All members expressed great appreciation for the work done by Prof Joao Carlos Mendes Carvalho because of the relevant success of MUSME2005 both from scientific and participation aspects.

2 - Members and Appointment of new members

Prof. Ceccarelli recalled main points that were decided in 2002 as in the following.

MUSME events will be characterized by being:

- a) a conference stimulating integration between Mechatronics and Multibody Systems Dynamics disciplines;
- b) a forum for facilitating contacts among researchers and students;
- c) a match conference for IFToMM and FeIbIM communities.

Regarding item (c) it was decided to maintain and ask for the future the auspices of both Federations IFToMM and FeIbIM without any specific support, with the aim to facilitate participation of people from both communities.

Member duties have been established as in the following:

- i) a member will be an expert in Mechatronics and/or Multibody Systems Dynamics disciplines
- ii) a member will be interested in the activity of MUSME and she/he will participate at the events and meetings of the Scientific Committee for MUSME
- iii) a member will support the MUSME event by helping with the organization and reviewing process
- iv) a member will organize a MUSME event in the future
- v) a new member can be nominated by any two members but she/he will be appointed by the Scientific Committee during a meeting with a suitable item in the Agenda.

Prof Manfred Husty proposed the additional rule for members:

- vi) no justified absence for two consecutive MUSME events will give the right to the Scientific Committee to expulse the absent member from the Scientific Committee.

The new rule was approved by the present people.

Prof Marco Ceccarelli was confirmed as the Chair of the Committee after being proposed by Prof Manfred Husty and Prof Joao Carlos Mendes Carvalho. It was also confirmed that at each MUSME event the members of the Committee would vote for the Chairperson appointment.

Prof Manfred Husty nominated Prof Carlos Munares Tapia as a member of the Scientific Committee for MUSME. Prof Carlos Munares Tapia presented himself as a professor at the Wiener University and at the National Engineering University in Lima (Perù) working in the field of Vehicles but also with positions for the organization of the curriculum in Mechatronics Engineering in both Universities. The present members approved the nomination.

Prof Mendes Carvalho nominated Prof Pietro Fanghella as a member of the Scientific Committee for MUSME. Prof Pietro Fanghella presented himself as a professor at the Genova University in Italy working in the field of Kinematics of Mechanisms but also with positions for the organization of the curriculum in Mechanical Engineering. The present members approved the nomination.

3 - Proposals for the next MUSME events

Since the peculiarity of MUSME events and the many already existing conferences, the members decided to consider as suitable a frequency of 3 years and a one track program for the MUSME events.

Prof Ceccarelli reported a proposal for the next MUSME by Prof Francisco Alba Juez of San Juan University, in San Juan (Argentina), who could not come at the last minutes to present the proposal personally. He did not make an official proposal since they still need to check some facts in San Juan University but they are very interested to organize a MUSME event. Prof Carlos Munares Tapia presented the availability to organize a MUSME event in Lima (Perù) under the organization of Wiener University. Both candidatures were considered suitable and promising and indeed SC members expressed favorable opinions to have the next MUSME still in South America. Thus, it was decided to give to the Chair Prof Ceccarelli the mandate to finalize the proposal from San Juan University so that by email a decision can be taken before the end of year 2005. Then it was decided to have next MUSME in 2008, with a priority for San Juan if they will be able to make an official feasible proposal.

4 – Other activity

The members expressed the opinions that other activities, such as summer schools, meetings, invited lectures within regular courses, should be programmed by the members of the Scientific Committee for MUSME. Prof Carlos Munares reported the organization of a second international school on Robotics and Mechatronics with international lecturers that has been scheduled with the help of Prof Ceccarelli for the end of October 2005.

5 - Other businesses

Nothing was discussed

APPENDIX – report of MUSME 2005 by Prof Joao Carlos Mendes Carvalho.

Report of MuSMe 2005

The goal of this report is to present the activities of the 2nd International Symposium on Multibody Systems and Mechatronics – MuSMe 2005, organized by Federal University of Uberlândia, Uberlândia, Brazil, from March 6 to March 9 2005.

General data:

Paper data

Complete submitted papers: 35

Accepted papers: 32

Complete student papers: 9

Presented papers: 30

Authors and Co-Authors are from: Austria, Belgium, Brazil, Canada, England, Finland, France, Germany, Italy, Peru, P. R. China, Romania, Russia, Spain, Ukraine and USA,

Attendees data

Students: 64

Others attendees: 32

Attendees are from: Austria, Belgium, Brazil, Canada, Finland, France, Italy, Peru, South Korea and Spain.

Characteristics of MuSMe 2005

- a) – The inclusion of a session with works carried out by graduate students had been praised by the participants.
- b) - The writing of the articles in a complete form, similar to the formats of articles submitted for journals, where the originality and the importance of the contribution are well definite, was very well accepted by the authors (average of 12 pages per article).
- c) - The organization of coffee-break including students and researchers, allowed the interchange between them.
- d) – Organizing the event in the space of the University reduced the organization cost. With reduced cost, it was possible to offer a reduced value of the registration fee for the students, to guarantee their participation in the event.
- e) - The organization of the event in a single session was important for the integration between multibody systems and mecatronics disciplines.
- f) - The accomplishment of the MuSMe 2005 soon after DINAME allowed the participation of foreign attendees in the two events (total of five attendees).
- g) - The excellent level of the invited conferences, as much the application of the mechatronics in industrial systems (Dr. Walter Pype – Product Development Director for Latin America of Case New-Holland), as in the theoretical development applied to multibody systems and mechatronics (Prof. Domingos Alves Rade).
- h) – The visit carried through in the Hydroelectric Power Plant of Miranda/CEMIG.
- i) – The fact of attendees being always together, participating in the scientific sessions, coffee-break, lunch and dinner, allowed a great integration between them, facilitating the exchange of experiences, information and knowledge.
- k) - The Proceedings were made in CD-Rom without copyright in order to allow the authors to publish their works in suitable journals. It contains the 41 accepted complete articles for the event, with numbered pages, in a total of 493 pages.

The next MuSMe

During MuSMe 2005, on Tuesday, 8 of March, a meeting of the Scientific Committee was carried through. Beyond considerations about MuSMe 2005, the organization of the next MuSMe was discussed. Two proposals can be made possible: one would be the accomplishment in Argentina and the second proposal would be the accomplishment in Peru. It was definite that the next MuSMe, function of the norms of the IFToMM, will have to be carried through in 2008. The country will be determined in common agreement between the President of the Scientific Committee of MuSMe, Prof. Marco Ceccarelli, and the proponents.

Conclusion

The Organizing Committee have much to be thankful to all people that made MuSMe 2005 a success: colleagues of the commission for the organization of the symposium, reviewers, invited speakers, authors and attendees, governmental agencies (CAPES, FAPEMIG, FINEP), companies (Bank of Brazil and Petrobras) and Uniminas - Educational Union Minas Gerais. Beyond, evidently, the Brazilian Society of Engineering and Mechanical Sciences - ABCM, IFToMM - The International Federation for the Promotion of Mechanism and Machine Science, the Iberoamerican Federation of Mechanical Engineering - FelBIM, Federal University of Uberlândia - UFU and School of Mechanical Engineering - FEMEC. It allows me to detach the persistence and the work of the graduate students of Mechanical Engineering and Mechatronics of the UFU that, always motivated, had formed an excellent team, giving the best possible service to the participants.

All members expressed great appreciation for the work done by the Organizing Committee, since the relevant success of MuSMe 2005 both from scientific and participation aspects.

Prof. Marco Ceccarelli