

SHORT ANNUAL REPORT

on activities of Polish Committee Theory of Machines and Mechanisms and Committee IFToMM-POLAND YEAR 2012

Polish Committee on Theory of Machines and Mechanism (PC TMM – this abbreviation is used underneath) has two affiliations i.e. - to:

- (a) Polish Academy of Science (Polish abbrev.: PAN),
- (b) IFToMM – International Federation of Promotion of the Mechanism and Machine Science.

According to (a), we are a section of the PAN Committee on Machine Building. Due to new regulations about the internal structure of The Academy - 'PAN' (e.g. restrictions on number of members), the Committee (PC TMM) consists of 19 members. Professor Józef Wojnarowski (Silesian TU) is the President of PC TMM. Due to the fact that the 'community' of scientists involved in the works of PC TMM has been wider since many years – the team (group) of so called 'PAN experts' could be appointed and the process of appointment is in progress. The approved list of experts will be established till the end of the year 2012.

According to (b), PC TMM is one of the national committees which created the Federation (IFToMM) in 1969 in Zakopane, Poland. Since the origins, Polish scientists have been actively involved in versatile IFToMM works, conferences, meetings, workshops etc. as well as they participated in IFToMM authorities of all levels. At present, Professor Teresa Zielińska (Warsaw TU) is the Secretary General of IFToMM. The members of PAN Polish Committee on TMM and the candidates for PAN experts decided to create common group called 'Committee IFToMM-POLAND' – aiming for continuation of works which previously were performed solely by bigger PC TMM – according to the previous law. The works will be continued when the candidates obtained formal letter of nomination for the PAN experts.

In year 2012, the following events took place:

- (i) plenary meeting no 1 (in Gliwice, Silesian TU);
- (ii) plenary meeting no 2 (in Kołobrzeg, during the TMM conference);
- (iii) conference on TMM in Kołobrzeg.

Ad (i)

The meeting took place on 18th May, 2012. Professor Jerzy Świder from the Silesian TU was a Host of the meeting. The strategy of PC TMM, since many years, is to organize meeting alternating the venues between Warsaw (the capital of Poland) and chosen universities where the members of PC TMM work. The main topics under discussion during the meeting were:

- new regulations about internal structure of Polish Academy of Science and their impact on PC TMM membership rules and further activities,

- preparations of domestic conferences on TMM 2012, 2014 (which are organized also as international events with relatively low number of international participants),
- organization of the IFToMM World Congress in Poland in 2019 to celebrate 50-ies anniversary of creation IFToMM in 1969. Professor Tadeusz Uhl from the AGH Technical University from Cracov was nominated as a coordinator of this event,
- report of Professor Teresa Zielińska – IFToMM Secretary General,
- report of Professor Zbigniew Kęsy – Chair of IFToMM Technial Committee on Reliability,
- plan of activities for year and the whole term of duties.

The meeting was finished by a dinner and further informal discussions.

Ad (ii)

The meeting took place on 20th September 2012, in Hotel Solny in Kołobrzeg. Professor Tadeusz Bil was the Host of the meeting (as well as Chair of the organizing Committee of the TMM Conference). The PC TMM has also a tradition of meetings during the every conference on TMM – which were initiated just by this Committee. The main topics under discussion during the meeting were:

- matter of appointment the members of ‘PAN experts’ group,
- the proposed list of members was presented and discussed, the proposals of additional members were issued. Professor Jozef Wojnarowski is responsible for deliver of the list to the Polish academy of Science,
- the conference (being in progress) was roughly evaluated – congratulations were given to the Organizers – all was going smoothly and in a very high quality,
- restart of PC TMM-webpage was declared,
- it was decided that the next conference will be organized by Wrocław Technical University in 2014. Professors Marco Ceccarelli (TU Casino, Italy) and Burkhard Corves (RWTH Aachen, Germany) introductory declared to be a keynote speakers during this future conference.

The meeting was finished by a light dinner and further informal discussions.

Ad (iii)

The 23-rd National Conference on Theory of Machines, Mechanisms and Mechatronic Systems and its Third International Edition were organized by TU Koszalin in Kołobrzeg within the period 19-22 September 2012. There were approx. 80 participants and approx. 90 papers. The level of papers was evaluated as high. The summaries of papers were printed in a proceeding book. The full papers were printed in Polish scientific magazines of international level (printed fully in English, having international Editorial Boards):

- [*Acta Mechanica et Automatica*](#),
- [*International Journal of Applied Mechanics and Engineering*](#).

The papers were deeply discussed but in friendly atmosphere. Professor Tadeusz Bil – Chair of Organizing Committee obtained a common appreciation and many thanks for an organization of the conference.

Professor Józef Wojnarowski
President of PC TMM

Assoc. Professor Stan Zawiślak
Secretary