



Editorial

Celebrations for the 50-Year Anniversary of IFToMM

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Abstract: In this paper celebrations of the fifty-years anniversary of IFToMM, the International Federation for the Promotion of Mechanism and Machine Science, is reported with main aspects of the event that has been organized on 30 June 2019 during a special session at the IFToMM World Congress in Krakow, Poland. Memories of the celebration are illustrated with photos and historical data.

Keywords: history of IFToMM; IFToMM MMS; 50-years anniversary

During the 15th IFToMM World Congress on Mechanism and Machine Science (MMS) in Krakow, Poland from 30 June to 4 July 2019, a special opening session was organized to celebrate the 50-year anniversary of IFToMM with the unveiling of a bronze commemorative plaque, Figure 1.

In the 15th World Congress, 637 participants from 66 countries and regions registered 437 papers presented in a dense program with 17 topic sections in the wide domain of MMS and those most relevant to the IFToMM Technical Committees. The Springer Nature in Series Mechanism and Machine Science published proceedings of the 15th World Congress proceedings in five volumes [1].



Figure 1. The bronze commemorative plaque for the 50-year anniversary of IFToMM.

IFToMM was founded in 1969 during the Second World Congress on Mechanism and Machine Science in Zakopane, Poland with an act, Figure 2, that was signed on 29 September 1969 by the IFToMM

Machines 2019, 7, 53 2 of 7

founding fathers (see Appendix A) during a special meeting establishing also the first Executive Council, Figure 3, [2,3].

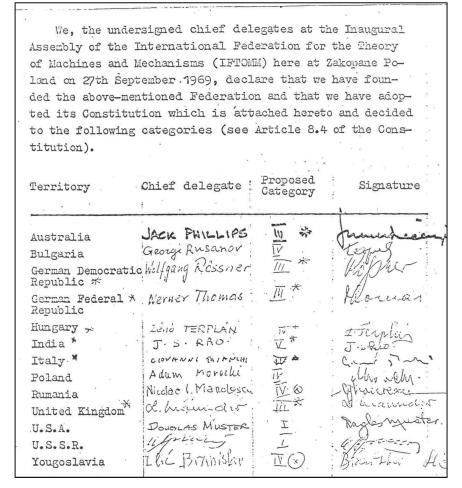


Figure 2. The founding act of IFToMM.

A celebration session was planned with the following speeches by the living Past IFToMM Presidents to outline the scientific and social aspects of the history of IFToMM:

- "IFToMM: Yesterday, Today, and Tomorrow" by Prof. Marco Ceccarelli
- "The Forming of International and Personal Connections Through IFToMM in Spite of a Turbulent World" by Prof. Bernard Roth.
- "The Existential Question of IFToMM in the 21st Century" by Prof. Jorge Angeles.
- "Intersections Between My Career and IFToMM" by Prof. Kenneth Waldron
- "Let Me Think About the Gap Between IFToMM Globalism and Economic Globalism" by Prof. Yoshihiko Nakamura.

In addition, a special set of posters on IFToMM history was exhibited in the Congress Hall during the 2019 World Congress near the bronze commemorative plaque, Appendix B.

Machines **2019**, 7, 53 3 of 7

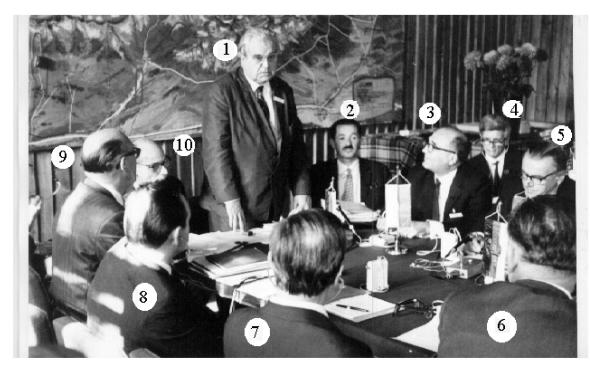


Figure 3. Announcement of the foundation of IFToMM on 29 September 1969, (courtesy of IFToMM Archive) in which one can recognize: 1—Prof. Ivan Ivanovic Artobolevskii (USSR); 2—Prof. Adam Morecki (Poland); 3—Prof Kurt Luck (Germany); 4—Prof. Michael S. Konstantinov (Bulgaria); 5—Prof. Nicolae I. Manolescu (Romania); 6—Prof. Erskine F. Crossley (USA); 7—Prof. Giovanni Bianchi (Italy); 8—Prof. Aron E. Kobrinskii (USSR); 9—Prof. Werner Thomas (Germany); 10—Prof. Jan Oderfeld (Poland).

At the end of the celebration session the current IFToMM President, Marco Ceccarelli, and the chair of the 2019 World Congress, Tadeusz Uhl, revealed the commemorative plaque, Figure 4, among the enthusiastic applause of the congress attendees.



Figure 4. The revealing act of the bronze commemorative plaque.

In Figure 5, the living Past IFToMM Presidents share their appreciation for the celebration. Figure 6 shows the Executive Council members serving in the years 2016–2019 surrounding the just-unveiled

Machines 2019, 7, 53 4 of 7

plaque with satisfaction for the celebrations that were coordinated with the Congress organizers since the early days of 2016, with many discussions among World Congress 2019 organizers and the IFToMM Executive Council members.



Figure 5. The living Past IFToMM Presidents with the commemorative plaque in exhibition. (from left to right): Prof. Jorge Angeles, Prof. Kenneth Waldron, Prof. Bernard Roth, Prof. Marco Ceccarelli, and Prof. Yoshihiko Nakamura.



Figure 6. The members of the current IFToMM Executive Council with the commemorative plaque in exhibition (from left to right): Prof. Yoshihiko Nakamura, Prof. Can Dede, Prof. Tian Huang, Prof. Ashitava Ghosal, Dr. Jean-Pierre Merlet, Prof. Teresa Zielinska, Prof Burkard Corves, Prof. Fernando Viadero, Prof. Juan Antonio Carretero, and Prof. Marco Ceccarelli.

Figure 7 is the group photo of the attendees at the end of the celebration session from more than 600 participants at the congress coming from 66 countries and regions.

Machines **2019**, 7, 53 5 of 7

The celebration finished with a wine toast in a familiar frame and will live in the memory of all attendees through the specially designed celebratory congress gift to the attendees, Figure 8.



Figure 7. Group photo of the attendees at the celebration of the IFToMM 50-year anniversary.



Figure 8. Gifts at the 2019 IFToMM World Congress as memories of the IFToMM anniversary.

Conflicts of Interest: The authors declare no conflict of interest.

Machines 2019, 7, 53 6 of 7

Appendix A. Poster on the Founding Fathers of IFToMM at the 2019 World Congress



IFToMM

International Federation for the Promotion of Mechanism and Machine Science

The founding fathers of IFToMM

by Marco Ceccarelli, IFToMM President 2008-11 and 2016 - 19

Founding fathers of IFToMM

(who signed the IFToMM act and members of the 1st Executive Council) Academician Ivan I. Artobolevski (USSR) Prof. Erskine F. R. Crossley (USA) Prof. Michael S. Konstantinov (Bulgaria) Dr. Werner Thomas (GFR) Prof. B. M. Belgaumkar (India) Prof. Kenneth H. Hunt (Australia) Prof. Jan Oderfeld (Poland) Prof. Jack Phillips (Australia)

Prof. George Rusanov (Bulgaria) Prof. Wolfgang Rössner (GDR) Prof. Zènò Terplàn (Hungary)

Prof. Jammi S. Rao (India) Prof. Giovanni Bianchi (Italy)

Prof. Adam Morecki (Poland) Prof. Nicolae I. Manolescu (Romania)

Prof. Leonard Maunder (UK) Prof. Douglas Muster (USA) Prof. Branislav Ilic (Yugoslavia)



Ivan Ivanovich Artobolevski



Francis Rendel Erskine Crossley





Jan Oderfeld

Main IFToMM promoters



































Appendix B. List of Posters Exhibited during the IFToMM 2019 World Congress in Krakow, Poland

- 1. Iftomm officers (from IFToMM webpage)
- 2. What is IFToMM? (from IFToMM webpage)
- 3. IFToMM History (from IFToMM webpage)
- 4. **IFToMM Founding Fathers**
- 5. IFToMM Sponsored Conferences
- 6. IFToMM Awards and Honors
- 7. Activity of IFToMM Executive Council
- 8. SIOMMS IFToMM Student Olympiad
- 9. All WCs
- WC 1987 in Seville 10.
- 11. WC 1995 in Milan
- WC 2004 in Tianjin 12.
- WC 2007 in Besancon 13.

WC 2015 in Taipei

- WC 2011 in Guanajuato
- 16. IFToMM Flyer

References

15.

Uhl, T. (Ed.) Advances in Mechanism and Machine Science—Proceedings of the 15th IFToMM World Congress on Mechanism and Machine Science; Springer Nature Switzerland AG: Cham, Switzerland, 2019.

Machines **2019**, 7, 53

2. Ceccarelli, M. A short account of History of IFToMM and its role in MMS. *Mech. Mach. Theory* **2015**, *89*, 75–91. [CrossRef]

3. Angeles, J.; Bianchi, G.; Bessonov, A.P.; Maunder, L.; Morecki, A.; Roth, B. *A History of IFToMM, Chapter 2 in Proceedings of HMM2004—The Second IFToMM International Symposium on History of Machines and Mechanisms*; Kluwer: Dordrecht, The Netherlands, 2004; pp. 25–125.



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