

Association for Machines and Mechanisms News Bulletin

Volume 10, No. 4

October 2018



Objectives and Activities

The main objective of AMM is to contribute to mechanical design at all levels starting from academic research to industrial initiatives, thereby enhancing the quality and reliability of indigenous machines. With this in view, AMM organises the International & National Conference on Machines and Mechanisms, iNaCoMM, and the workshops on Industrial Problems on Machines and Mechanisms, IPRoMM regularly.

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Message from the Editor-in-Chief

Volume 10 No. 4 October 2018 issue of the Bulletin of the Association for Machines and Mechanisms is being brought out somewhat late after the festive season and amidst cold weather around.

This issue of the Bulletin of the Association for Machines and Mechanisms (AMM) is published by the outgoing Editorial Board Members and with Dr. Shital S. Chiddarwar (ZVP, West) responsible to co-edit this issue. The Editor-in-Chief takes the sole responsibility for late publication of this issue and he expresses heart-felt apology sorry for this.

Hope the issue of the Bulletin in the New Year 2019 would be published by a new team of Editorial Board. I, as Team Leader of the existing Editorial Board, wish to extend thanks to all the four Zonal Vice-Presidents for cooperating with me to extend all possible supports to bring out the issues of the Bulletin for the last five years. All the Office Bearers of the AMM are also sincerely acknowledged for their kind advice as obtained time to time.

Information of few forthcoming events is included as a regular feature. Wish a grand success of the 5th IFToMM Asian Mechanisms and Machine Science Conference 2018 being organised in Bangalore on December 18-19 2018.

AMM members and others are requested to send contribute articles and technical briefs to the editorial team for January 2019 issue. Constructive suggestions, comments for improvement of the Bulletin of the AMM are most welcome.

On behalf of the Editorial Team of the Bulletin of AMM, I sincerely thank all related persons for their support and good wishes so that this issue of the Bulletin sees the light of the day.

Wish You All A Very Happy and Warm New Year 2019 !!

Prof. Santanu Das
Editor-in-Chief

About the Association of Machines and Mechanisms (AMM)

The AMM headquarter is currently located at the Department of Engineering Design, IIT Madras. A new set of office bearers have taken charge of the affairs of AMM. AMM invites both individual and corporate membership from Indian academia, research organizations and industry. Membership benefits and other information about AMM are available at www.ammindia.org. The body of Zonal Vice Presidents (ZVPs) is active over the past several years with representations from the four corners of the country. They are playing the role of nodal agencies so as to decentralise the AMM official activities and to organise workshops under the aegis of AMM to popularise the mechanism science in their respective regions. They also form the editorial team of this news bulletin. AMM invites contributory articles from its members and others working in the various fields of mechanisms science for this quarterly news bulletin. Interested people can contact the editorial team.

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Climbing to the top demands strength, whether it is to the top of Mount Everest or to the top of your career''

- A. P. J. Abdul Kalam




The Robotics Society



ADVANCES IN ROBOTICS

AIR 2019

4th International Conference of The Robotics Society
Indian Institute of Technology Madras,
Chennai, 600036 India
02 - 06 July 2019

Organizing Committee

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Australian Centre for Field Robotics
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Universitat Darmstadt, Germany

Keynote Speakers

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University of Zurich, Switzerland

Prof. Nobuto Matsuhira
Shibaura Institute of Technology, Japan

Prof. Taewon Seo
Hanyang University, South Korea

CALL FOR PAPERS

International Conference on Advances in Robotics (AIR) is a series of biennial conference organized by The Robotics Society (TRS). The conference aims to create a forum to present and exchange new ideas by researchers and developers from India and abroad working in the fields of robotics and its applications. AIR 2019 will be held at IIT Madras, Chennai, during 02-06 July 2019.

Contributed Papers

The organizers of the conference invite unpublished research work in the following fields of Robotics (representative list, can include other related topics):

- Kinematics, dynamics, control and simulation of autonomous intelligent systems
- Medical, rehabilitation and assistive robotics
- Design of robotic mechanisms
- Bio-mimetic and bio-inspired robotic systems
- Man-machine interface and integration
- Swarm robotics
- Robotics-related computer hardware, software, and architectures
- Navigation and control of unmanned vehicles – Ground, Underwater
- Vision and non-contact sensory systems
- Drones and drone applications
- Tactile and other contact sensory technology
- Virtual reality and haptics
- Active sensory processing and control
- Tele-robotics
- Machine learning and artificial intelligence for robotics
- Humanoid robots
- Soft robotics

Workshop and Tutorials

A full day during the conference is dedicated to workshop and/or tutorials on robotics, conducted by renowned resource persons.

Doctoral Symposium

A symposium will be held involving presentation from PhD students working in all areas of robotics. It would provide an opportunity to showcase their ongoing research work and interact with experts in the field for feedback. Both the student and research advisor should attend. More details can be found at conference website.

Submission Instructions

The authors have to follow ACM format of double column, within 6 page limit. The submitted papers will be double blind peer-reviewed to determine acceptance. The accepted papers, after incorporation of reviewer's comments, will be published by ACM as International Conference Proceedings Series.

Registration	Important Dates
Indian Delegates:	Call for papers : 01 Dec 2018
Govt. & Academic Institutes : Rs. 5,000	Submission deadline : 15 Feb 2019
Industries : Rs. 10,000	Decision notification : 05 April 2019
Full-time students (with a valid ID) : Rs. 3,000	Camera-ready Submission : 05 May 2019
20% discount for TRS members	Conference dates : 02-06 July 2019
International Delegates:	
Academic & Industries : USD 200	
Students : USD 100	

For more info., please visit
<http://advancesinrobotics.com/>



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Contact Us

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Forthcoming Events



IFTOMM 15th IFTOMM World Congress June 30 - July 4 2019

www.iftomm2019.com

Call for Papers

15th IFTOMM World Congress will be held in Krakow, Poland in June 30 – July 4, 2019. IFTOMM World Congress is held every 4 years and is the largest congress on mechanism and machine science. It will provide opportunity for researchers, scholars and students with interests in the theory and practice of mechanisms and machines for new ideas, sharing experiences, and discussing future developments. We hereby would like to extend our sincere welcome to you and to ensure all of you a wonderful congress and a memorable visit during your stay in Krakow during 2019 IFTOMM World Congress!

Sincerely yours
Organizing Committee

TOPICS OF THE CONGRESS

Papers are welcome on the general areas of the theory and practice of machines and mechanisms, but not limited, to the topics of the IFTOMM Technical Committees and Permanent Commissions, namely:

- Biomechanical engineering
- Computational kinematics
- Design methodology
- Biomechanical engineering
- Computational kinematics
- Design methodology
- Dynamics of machinery
- Education
- Gearing and transmissions
- History of MMS
- Linkage and mechanical controls
- Mechatronics
- Micromechanisms
- Multibody dynamics
- Reliability of machines and mechanisms
- Robotics
- Rotor dynamics
- Standardization of terminology
- Sustainable energy systems
- Transportation machinery
- Tribology
- Vibration

LOCAL ORGANIZING COMMITTEE

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Prof. Teresa Zielińska – Warsaw

PRESENTATION AND PROCEEDINGS

The official language is English. Registered participants will receive one Digital Proceedings. Proceedings will be indexed in WoS, SCOPUS (will be confirmed later).

Conference proceedings will be published as an e-book by Springer which is indexed in Web of Science, Scopus and others.

PAPER SUBMISSION

All papers must be submitted electronically and they will be reviewed. Authors are requested to submit a full length paper, 4 pages (minimum) to 10 pages (maximum). The abstracts are NOT acceptable. The format will follow the IFTOMM template that is available in the congress webpage

IMPORTANT DATES

Date	Event
15 August, 2018	Registration Start
15 November, 2018	Full Paper submission deadline
15 January 2019	TC acceptance of the paper
15 February, 2019	Camera ready
15 March, 2019	Notification on final paper Acceptance
31 March, 2019	Deadline for paying fee of presenting authors
31 March, 2019	Final Full paper submission
30 June – July 4, 2019	IFTOMM Congress

CONGRESS LOCATION

The conference will take place in the Auditorium Maximum of the Jagiellonian University, Krakow is the capital of Malopolska province located on the south of Poland, large academic and cultural centre and is one of the most visited cities in Poland. There are numerous historical monuments, good hotels, restaurants and recreational opportunities. It is not a simple task to describe the unique character of Krakow to those who still have not had the opportunity to visit this city. This uniqueness is primarily due to the rare cultural heritage embodied within the city walls. Here, in the year 1000, a Roman Catholic bishopric was founded. Here, the residential royal castle was constructed on the Wawel Hill, becoming the site for the coronations and burials of kings, as Krakow was the capital of Poland from the 11th to 17th century.

ACCOMMODATION

A variety of hotels with special rate in different standards with the room rate ranging from EURO 50 to EURO 150 will be listed in the IFTOMM 2019 website.

TRAVEL INFORMATION

Krakow airport is located about 10 km from the city centre and has a number of direct flight connections with major European airports (Munich, Frankfurt, Vienna, Berlin, Paris, Brussels, London, and others).

International airport in Kraków (10 km from the city)
<http://www.krakowairport.pl/en>
International airport in Katowice (60 km from the city)
<http://www.katowice-airport.com>

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Registration type	Early registration (before 31 March)	Regular registration (after 31 March)	On-site registration
Delegate from IFTOMM MC	500 EUR	600 EUR	650 EUR
Delegate from non-IFTOMM MC	550 EUR	650 EUR	700 EUR
Student	350 EUR	400 EUR	450 EUR
Accompanying person	200 EUR	250 EUR	300 EUR



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