

FINAL PROGRAM

AUA AKIAN COLLEGE of SCIENCE & ENGINEERING  Institute of Mechanics
Armenian National Academy of Sciences

SEPTEMBER 17 - 19
MES 2025
YEREVAN, ARMENIA

2nd INTERNATIONAL CONFERENCE & EXHIBITION
MECHANICAL ENGINEERING SOLUTIONS

Design • Simulation • Testing • Manufacturing

HOSTED BY



Institute of Mechanics
Armenian National
Academy of Sciences

ORGANIZED BY



Center for Research and
Education in Mechanisms and
Machines (CREMM), Austria



International Federation for the
Promotion of Mechanism and
Machine Science (IFTOMM)

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About MES-2025

The 2nd International Conference and Exhibition *MECHANICAL ENGINEERING SOLUTIONS: Design, Simulation, Testing and Manufacturing* (MES-2025), will be held on September 17-19, 2025, in Yerevan, Armenia, continuing the series of events started in 2018 with [MES-2018](#).

MES-2025 conference is hosted by the College of Science and Engineering of the American University of Armenia (AUA). The exhibition and the round-table discussion accompanying the conference are hosted by the Institute of Mechanics of the National Academy of Sciences of Armenia.

MES-2025 is initiated and organized by the Center of Research and Education in Mechanisms and Machines (CREMM, Austria) with participation of the scientists from the National Polytechnic University of Armenia (NPUA), under the patronage of the International Federation for the Promotion of Mechanism and Machine Science (IFTToMM). The publishing and support are provided by *Springer* publishers and MDPI Open Access Journal *Machines*.

The financial support of the following sponsors is gratefully acknowledged:

- Higher Education and Science Committee of the Ministry of Education, Science, Culture and Sports of the Republic of Armenia
- Liga Insurance CJSC

The aim of the MES Conferences is to bring together researchers, industry professionals, and students from a broad range of mechanical engineering disciplines. With its cross-thematic program and international reach, MES serves as a powerful networking platform fostering collaboration across borders. While addressing traditional IFTToMM topics, it places special emphasis on engineering solutions and their development pathways – including theoretical and applied research, application of numerical methods and related software, as well as consideration of practical/industrial cases. It also highlights key stages in the development lifecycle of machines: design, simulation, testing, and manufacturing. Technical performance metrics such as precision, load capacity, and system efficiency are at the forefront, along with broader criteria such as economic viability, regulatory compliance, and environmental impact.

The three keynote lectures, focusing on the most relevant topics in modern mechanical engineering and machine science, will showcase the latest achievements, address current challenges, and outline future trends.

The exhibition, held in parallel with the conference, will provide an excellent opportunity to present engineering solutions in the form of prototypes, promote innovative products, and disseminate information about the activities of domestic universities, research centers, and industrial companies.

The round-table discussion on education and knowledge transfer will offer an additional platform for exchanging ideas on effective ways to preserve valuable expertise and experience across generations.

While the Award Ceremony will culminate the conference, the rich social program—featuring authentic Armenian cuisine and traditional manual carpet manufacturing culture, as well as excursion to Armenia’s ancient historical, architectural, and natural treasures—will further strengthen connections among participants in a relaxed and enjoyable atmosphere.

MES-2025 Schedule Overview

	17	18	19	20
	MES-2025; Program Overview			
EVN				
08:00	Registration	Registration		
09:00	Opening ceremony Keynote 1 1h Exhibition; @AUA	Keynote 2 1h Session 4: Vibrations+Rotor 3 papers: 1h Coffee break	Keynote 3 1h Technical Session 6a: Robotics I 3 papers - 1h Coffee break	After-conference tours / social program Optional
10:00		Exhibition @AUA	Technical Session 6b: Robotics II 5 papers - 1h40m	
11:00				
12:00	Technical Session 1 - In Memory of Prof. Sargsyan 4 papers - 1h20m	Technical Session 5: Biomechanics 6 papers - 2h		
13:00	Lunch	Lunch	Closing Ceremony	
14:00	Technical Session 2: Linkages 5 papers - 1h40m	Round-Table Discussion: Education & Knowledge @ Academy of Sci	Lunch	
15:00	Coffee break	Exhibition @ National Academy of Sciences	Social Program Half-day excursion: Geghard & Garni	
16:00	Technical Session 3: Engines, Gears, Transport 6 papers - 2h			
17:00				
18:00	Welcome Reception & Gata Baking Workshop Silk Road Hotel	Conference Dinner & Award Ceremony Megerian Carpet Museum & Restaurant		
19:00				
20:00				
21:00				

Conference Venue

American University of Armenia
Akian Art Gallery
Akian College of Science and Engineering
Paramaz Avedisian Building, 4th floor
Marshal Baghramyan Ave. 40
0019 Yerevan, Armenia
www.aua.am

Exhibition Venue

National Academy of Sciences of Armenia
Presidium Building, 2nd floor
Marshal Baghramyan Ave. 24
0019 Yerevan, Armenia
www.sci.am

How to get to the conference and exhibition venues (see the maps below)

We recommend taking taxi or using metro or just having a walk to get to the venue of the conference, depending on the location of your hotel (see <https://mech-eng-events.org/mes-2025/accommodation/>).

The conference venue is about 7 minutes of walking distance (up the stairs) from the metro station *Marshal Baghramyan*. There is about 15 minutes walking distance between the conference and exhibition venues.

Arrival and Transfer to Hotel

The easiest and fastest way to reach Yerevan city center and your hotel from Yerevan “Zvartnots” International airport is by taxi, which will normally take you about 20-25 minutes.

If you are in Armenia for the first time, we recommend you to **pre-order a transfer service in advance** at the following website with online payment (starting from about €19 in your currency, depending on the comfort class): <https://hyurservice.com/en/transfers-armenia-georgia>. The drivers of this transfer service will pick you up in the arrivals hall of the airport by showing you a shield with your name on it and take you directly to your hotel or to the address you indicate. This transfer service monitors the flights for possible delays and adjusts the pick-up time accordingly.

Alternatively, you can use any other official taxi service available at the airport, as well as make a short-term order by mobile phone using services like Yandex Go or GG (you need to download the respective apps beforehand). For more transportation options, visit the website of the Yerevan “Zvartnots” International airport <https://zvartnots.aero/EN/Content/Transport> or refer to the information desk in the arrivals hall.

Caution: Please abstain from taking non-taxi passenger cars offered privately in the arrivals hall or at the airport exit.

Paying with Credit Cards and Cash, Money Exchange

Most of the hotels, restaurants and tourist shops in Yerevan accept **credit cards**.

However, it is advisable to have some amount of money in **cash** in local Armenian currency (Armenian Dram = AMD) to pay for transportation (taxi, metro), SIM card and also when buying items in special tourist zones, like at the Vernissage, or during the excursion outside Yerevan.

If you have not already pre-ordered and paid a transfer service from the airport to hotel, or you would like to buy a SIM card upon your arrival, we would recommend you exchanging some money (minimum €50) on your arrival directly at the airport: <https://zvartnots.aero/EN/Content/banks>.

Note: In Armenia, you can sometimes pay cash also in other currencies (US dollar, euro, Russian ruble) but be prepared that these must not be accepted.

Telecommunication and Internet

At the airport, at hotels and at the conference venue you have access to free Wi-Fi Internet.

To have access to mobile Internet, it is advisable to buy an **e-SIM** card online before arriving to Armenia. Alternatively, you can buy a local **SIM card** with associated Armenian phone number and/or an Internet package on your arrival: <https://zvartnots.aero/EN/Content/Connectivity>.

Registration Desk

Register to Access the Conference and the Exhibitions

The conference registration will start on September 17 at 08:00.

Please register at the MES-2025 Conference Registration Desk at the entrance to the Paramaz Avedisian Building of the American University of Armenia to get your *Conference Participant badge*.

All the registered conference participants and invited guests have also free access to the student and professional exhibitions, as well as to round-table discussion.

Please carry your badge during the conference, exhibition, and round-table discussion and also take it with you to lunch and social events to get access and to facilitate communication.

Register to Access the Professional Exhibition only

In case you did not register for the conference, please confirm your invitation to MES-2025 Exhibition (or show your invitation letter) at the entrance of the Armenian National Academy of Sciences (Presidium building), where you will get your *Exhibitor badge*.

The registration for the exhibition will start on September 18 at 14:00.

Conference Opening Ceremony

The conference opening ceremony will start on September 17, 09:00 at the conference venue – Akian Art Gallery (Paramaz Avedisian Building of the American University of Armenia, 4th floor).

Welcome Address of the Conference Chair

- *Dr. Tigran Parikyan – MES-2025 Chair*

Welcome Address of the Conference Host – American University of Armenia (AUA)

- *Dr. Bruce Boghosian – President of the American University of Armenia*
- *Dr. Reza Malekian – Dean, College of Science & Engineering, Director of Engineering Research Center (AUA)*

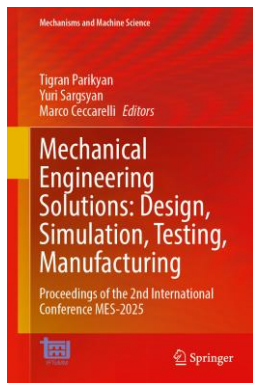
Welcome Address of the Conference Co-Chair

- *Prof. Marco Ceccarelli – MES-2025 Co-Chair, IFToMM Past-President, Editor of Springer “Mechanisms and Machine Science” Book Series*

Some announcements

- *Dr. Tigran Parikyan – MES-2025 Chair*

The Proceedings



The proceedings of the conference contain 32 papers authored by scientists and engineers from 11 different countries – all representing IFToMM Member Organizations. These will be published by *Springer* in the volume 191 of the book series *Mechanisms and Machine Science (MMS)* and can be accessed at the website <https://link.springer.com/book/9783032023513>

The proceedings in electronic format will be made available to participants online by conference begin.

Information for Speakers

- 1) The official language of the conference, exhibition and round-table discussion is English.
- 2) The oral presentations should be given in English using slides prepared in PowerPoint or PDF format, with all the text written in English. The presentation files should be provided before beginning the keynote and technical sessions on a USB stick or using your own notebook.
- 3) Please keep a necessary minimum of text on the slides and use an easily readable font size.
- 4) The technical sessions are divided into 20-min slots for each presentation: max. 15 min for the speaker, followed by 4 min for questions and 1 min for transition to the next speaker.
- 5) Each keynote lecture has a 1-hour slot, with 45 min for the speaker and 15 min for questions.
- 6) A PC/notebook with USB interface, projector/beamer with HDMI interface, and a microphone will be available for the speakers.

Technical Sessions

1. Session in Memory of Prof. Yuri L. Sargsyan

(Chair: T. Parikyan, Deputy Chair: M. Harutyunyan)

- Design Principles of Translational-Guiding Linkages and Robots: A Historical Review of the Contributions of Armenian School of MMS - *Parikyan, T.*
- Design of Gravity-Compensated Manipulators - *Chesnot, A., Arakelyan, V.*
- Joint Topology Optimization for Dynamic Performance Enhancement in a Human Spine-Inspired Continuum Robot - *Zakaryan, N., Harutyunyan, M.*
- Conceptual Re-Design of Locking Pliers and AI - *Darbinyan, H.*

2. Linkages and Mechanical Controls

(Chair: A. Gasparetto, Deputy Chair: H. Darbinyan)

- Method of reduction in the teaching of mobility analysis - *Krylov, E.*
- Hundred years of Bread Wrapping Machines: Challenges, solutions and advent of Mechatronics - *Sonkhaskar, Y., Nagrurkar, M., Shiwalkar, P.*
- Synthesis of Path Generators: Development of Approximation Methods in Kazakhstan - *Ibrayeva, A., Tuleshov, A., Ibrayev, S., Ceccarelli, M., Omarov, B.*
- Development and Application of Approximate Synthesis Methods for Mechanism Design - *Ibrayev, A., Tuleshov, A., Ibrayev, S., Ceccarelli, M., Ibrayeva, A., Omarov, B.*
- Modular Chain Telescopic Outrigger Design With Simulation Analysis and Experimental Verification. - *Song, Z., Yao, S., Ceccarelli, M.*

3. Engines and Powertrains, Gears and Transmissions, Transportation Machinery

(Chair: M. Ceccarelli, Deputy Chair: T. Parikyan)

- Megawatt Charging - Towards 'Fast as Gas' - *Raghavan, M., Guralp, O., Bucknor, N.*
- Optimization of Engineering Vehicle Transmission based on Dynamic Analysis – *Qin, D., Liu, C., Zonghai, M., Yinghua, L., Wu, S., Wang, L.*
- Intelligent control of dual-clutch transmission vehicles considering driving behavior and environment - *Hu, J., Zhang, T., Hu, M., Feng, J., Qin, D.*
- Cranktrain Model Catalog as a Didactic Tool for Generating Structured Models of Engine Parts to be Used in Dynamic Simulation with AVL EXCITE™ - *Parikyan, T., Yurmuzyan, D., Babayan, A., Parikyan, F.*
- Recognition of driver behavior based on recurrent neural networks - *Ceccarelli, M., Garrosa, M.*
- Some features of the new spiral tooth bevel gear - *Trubachov, E.*

4. Vibrations and Rotordynamics

(Chair: E. Krylov, Deputy Chair: D. Yurmuzyan)

- Harmonic Current Suppression and Its Effect on Torsional Vibration Reduction of Helicopter Electric Propulsion System - *Jia, H., Liang, D., Yan, F., Xu, X., Qin, D.*
- Simulation of Gyroscopic Rigid Rotor Dynamics with Viscoelastic Support and Shear Magnetic Bearing - *Iskakov, Z.*
- Nonlinear vibration characteristics of a flexible rotor with multi-blade-casing rubbing - *Wang, M., Wei, Z., Lin, J., Dai, H., Zhang, J.*

5. Biomechanical Engineering

(Chair: *M. Ceccarelli*, Deputy Chair: *N. Zhetenbayev*)

- Design of a new elbow-wrist assisting device ASSIST-EW. v1 - *Ofonaike, E., Morales-Cruz, C., Ceccarelli, M.*
- Design and Implementation of a Cable-Driven Elbow Rehabilitation System - *Zhetenbayev, N., Maksut, A., Bizhanov, D., Ceccarelli, M.*
- Modeling Of An Ankle Exoskeleton With Linear Actuator In MATLAB - *Sergazin, G., Ayazbay, A., Uzbekbayev, A., Sultan, A., Zhetenbayev, N., Nurgizat, Y.*
- Development of Simplified Short Intramedullary Nail System for Fixation of Femoral Fractures - *Zeytunyan, S.*
- Slider-Crank Spring Linkage Used for Balancing the Wheelchair Back- and Footrest - *Ceccarelli, M., Kristof, R., Popescu, I., Filimon, A., Lovasz, E., Florescu, F.*
- Human Motion Tracking for action recognition through wearable sensors: an IMU based approach - *Manzardo, M., Vidoni, R., Gasparetto, A., Gualtieri, L., Ciaghi, D.*

6. Robotics and Mechatronics

(Chair: *V. Arakelyan*, Deputy Chair: *N. Zakaryan*)

- Design of humanoid LARMbot v3 - *Ceccarelli, M., Gabarren, C.*
- Effect of Caster Wheel Self-Alignment on the Trajectory of a Rocker-Bogie Robot - *Kerimkulov, D., Tuleshov, A., Ceccarelli, M.*
- Mobile robotics for forest monitoring and mapping within the AI4FOREST project - *Alberti, G., Gasparetto, A., Carabin, G., Seriani, S., De Lorenzo, A., Scalera, L., Tiozzo Fasiolo, D., Maset, E.*
- A New Computer-Aided Design Solution for a Fruit Harvesting Robotic System - *Voloshkin, A., Ceccarelli, M., Rybak, L., Malyshev, D.*
- Mathematical Modeling and Calculation of the Dynamics of Parallel Structure Mechanisms - *Filippov, G., Alyoshin, A., Rashoyan, G., Shalyukhin, K., Chernetsov, R., Romanov, A.*
- Design of a DDPG-Augmented MRAC (DAM Controller) for a Differential Drive Mobile Robot - *Khanamiryan, Z., Sargsyan, L.*
- Numerical Method for Determining the Robot Workspace Shell - *Malyshev, D., Skitova, V., Dyakonov, D., Pisarenko, A.*
- Algorithm for Planning the Trajectory of Manipulators in a Multidimensional Joint Space - *Pisarenko, A., Malyshev, D., Rybak, L., Dyakonov, D.*

Keynote Lectures

KEYNOTE # 1

Application of the Characteristic Transfer Functions Method to the Design of Multivariable Control Systems in Robotics and Mechatronics



Prof. Oleg GASPARYAN

*Aerial Robotics Center and Control Systems Chair
National Engineering University of Armenia
Yerevan, Armenia*

ABSTRACT

Many feedback control systems in robotics and mechatronics are multivariable (MIMO) with cross-coupled dynamics. While state-space approaches such as optimal, predictive, sliding mode, adaptive, and robust control are effective, they often lack the physical clarity of classical frequency-domain methods and overlook key structural properties of MIMO systems.

Being quite effective and formalized from the computational point of view, the state-space methods often lack physical clarity that is inherent in the classical frequency-domain control methods of single-input single-output (SISO) feedback systems. The point is that the state-space methods are not suited well to describe important structural features of the multivariable systems, which is very crucial in designing appropriate MIMO controllers. Moreover, the state-space methods in many cases do not even assume any difference between SISO and MIMO control systems.

The Characteristic Transfer Functions (CTF) method, also known as the Gain Loci method, provides a way to represent MIMO systems as sets of fictitious SISO systems. This reduction enables the use of classical control tools for stability and performance analysis, simplifying N -dimensional design into one-dimensional problems while preserving structural properties (symmetry, skew-symmetry, uniformity, etc.).

For the first time, a graphical user interface (GUI) *MIMOControlSysCAD* will be presented, which has been developed at the Aerial Robotics Centre. The GUI works in the MATLAB environment and can be considered as a N -dimensional analogue of the well-known GUI *Control System Designer* in the *Control System Toolbox* in MATLAB.

BIOGRAPHY

Prof. Oleg Gasparyan graduated from Yerevan Polytechnic Institute (1970), earned his PhD and DSc from Moscow Aviation Institute (1976, 1986), and worked for over 20 years in aerospace engineering, contributing to the tracking systems of space telescopes Astron (1983), Glazar-1 (1987), and Glazar-2 (1990) on the MIR station.

From 2006–2024 he was Head of the Control Systems Chair at NPUA and since 2017 Director of the Aerial Robotics Centre. He supervised 20+ PhD students, authored eight monographs, and received Armenia's National Prize for Science & Engineering (1986) and the Presidential Prize for Technical Sciences & IT (2012).

His research covers robotics, UAV control, autonomous guidance of orbital telescopes, structural accuracy improvement, adaptive and robust control, and advanced multivariable feedback system design.

KEYNOTE # 2

What Kind of Transmission System and Key Transmission Technology Do New Energy Vehicles Need



Prof. Datong QIN

*State Key Lab. of Mechanical Transmission
Chongqing University
Chongqing, China*

ABSTRACT

The types, corresponding vehicle configurations, working principles and main performance characteristics of new energy vehicles including electric vehicle, hybrid electric vehicle and fuel cell vehicle are introduced. Based on the difference between the power system of different kinds of new energy vehicles and common fuel vehicles, the requirements of transmission system to achieve power performance, energy economy and ride comfort required for various new energy vehicles are analyzed, and the related configuration and performance of the transmission system of different kinds of new energy vehicles to meet these requirements of the transmission system are proposed and studied. On this basis, the types of the transmission system and related key transmission technologies for different new energy vehicles to achieve high performance are summarized.

BIOGRAPHY

Professor Datong Qin received the B.S., M.S., and Ph.D. degrees from Chongqing University, China, in mechanical engineering in 1982, 1984 and 1993, respectively. He was a visiting scholar at Department of Precision Engineering, Tohoku University, Japan, from 1989 to 1991. He joined the State Key Laboratory on Mechanical Transmission (SKLMT) of China, at Chongqing University in 1991 and became associate professor in 1992 and full professor in 1995, respectively. He was deputy director of the SKLMT of China from 1995 to 1997, and director from 1997 to 2008. In 2004 he was appointed by the Ministry of Education of China as the “Changjiang-scholar Distinguished Professor”.

His fields of research include gearing theory, gearing transmission systems, powertrain systems for conventional vehicles and electric vehicles.

He is the author of more than three hundred academic papers, which have been published in national and international journals. He is owner of more than 30 patented inventions and was awarded with two national prizes by the central government of China and with several first-class prizes by the ministry of education or local governments for his research achievements in the areas of mechanical transmission and powertrain systems of vehicles. He was the recipient of the Buckingham Lecture Award at the ASME International Conference on Power Transmission and Gearing held in the USA in 2019.

He was member of the Executive Council of IFToMM from 2008 to 2015 and director of Transmission Branch of Chinese Mechanical Engineering Society, as well as chief editor of Journal of Mechanical Transmissions, respectively. He was Chairman of International Conference on Mechanical Transmission held in China in 2001, 2006, 2011 and 2016, respectively. He was invited to give keynote speech at the International Conferences on Gears held in France.

KEYNOTE # 3

Challenges in Mechanism Design for Robotics: Past, Present and Future



Prof. Marco CECCARELLI

*LARM2: Laboratory of Robot Mechatronics
Dept. of Industrial Engineering
University of Roma Tor Vergata
Rome, Italy*

ABSTRACT

Challenges in mechanism design for robotics and mechatronics can be considered from several viewpoints in technical, social, and financial ones as due to new designs and applications, mainly in service fields.

In this lecture the main issues are discussed in terms of Innovation aspects of robot design coming from Mechanism Design. The attention is focused on challenging aspects that are related to the mechanical structure of a modern system as for the structure and operation when considering assigned tasks either in substituting or helping human operators.

The lecture presents aspects emphasizing the role of mechanism design in developments of robotic systems as based on the fact that the action in performing tasks, either in coordination or not with human operators, is of mechanical nature due to motion and force transmission goals of the operation. The challenges of mechanism design are presented both in terms of technical solutions and community activity, since each of them depends, impacts, and generates each other, by surveying past, present, and future illustrative achievements.

Examples of past and current solutions are presented to show how a mechanism design can be determinant for novel successful achievements and community developments. In particular, the activities at LARM2 in Rome are outlined on topics and systems that can be available for collaborations both in research and joint student education.

BIOGRAPHY

Marco Ceccarelli, born in Rome in 1958, is Professor of Mechanics of Machines at the University of Rome Tor Vergata, Italy, where he chairs LARM2: Laboratory of Robotics and Mechatronics.

His research interests cover the subjects in robotics, mechanism design, medical devices, experimental mechanics, and history of mechanical engineering, with multiple published papers in the fields of Robotics and Mechanical Engineering.

He has been visiting professor in a number of universities worldwide and received several honors and awards. He is ASME Fellow.

Professor Ceccarelli serves on several journal editorial boards and conference scientific committees. He is editor-in-chief of the MDPI journal *Robotics* and of the SAGE *International Journal of Advanced Robotic Systems* for the area on Service Robotics. He is editor of the Springer book series on Mechanism and Machine Science (MMS) and History of MMS. He has been the President of IFToMM, the International Federation for the Promotion of MMS in the years 2008-2011 and 2016-2019.

Exhibition

Student exhibition – will be held at the College of Science & Engineering of the American University of Armenia on September 17 (from 09:00 to 18:00) and September 18 (from 09:00 to 13:00), in parallel to conference program.

Professional exhibition – will be held at the National Academy of Sciences (NAS RA), Presidium Building, 2nd floor, on September 18, from 14:00 to 18:00.

Welcome Address of the Host of the Professional Exhibition

- *Dr. Lilit Dashtoyan - Director, Institute of Mechanics, NAS RA*

Round-Table Discussion

Topic: Education and Knowledge Transfer in Mechanism and Machine Science (MMS)

Date: September 18, 2025

Time: 14:30-16:00

Location: National Academy of Sciences of Armenia, Presidium Building, 2nd floor, Round Hall

Time slots: 15 minutes for each discussion point (5 min for presentation and 10 min for discussion)

Moderated by: *Dr. Tigran Parikyan*

Key discussion points and invited panelists:

1. Broader Educational Basis: *Enlarge and enrich* the MMS educational basis through knowledge and experience transfer between universities, research institutions and industry.
– *Prof. Datong Qin*
2. Sustainable Knowledge Transfer: *Develop a concept* of “Generation Chain” as a mechanism to transfer the existing key knowledge and experiences between generations of researchers and engineers as a part of sustainable modern education. – *Prof. Oleg Gasparyan*
3. The Role of History: *Use* past knowledge and chronological development of ideas in modern MMS education. – *Prof. Marco Ceccarelli*
4. Activities in Armenia I (on a regular basis): *Foster* MMS activities in Armenia by conducting international research and engineering events in mechanical engineering on a regular basis (conferences, exhibitions, workshops, summer schools, etc.). – *Dr. Hrayr Darbinyan*
5. Regional Activities: *Support* regional cooperations and regional MMS events (conferences, workshops, Olympiads, summer schools, etc.), eventually conducted in regional languages.
– *Prof. Eduard Krylov*
6. Activities in Armenia II (on a permanent basis): *Establish* a research and education center on MMS in Armenia. – *Dr. Lilit Dashtoyan*
7. Internationality: *Establish* an international network of research and education centers on MMS.
– *Prof. Alessandro Gasparetto*

❖❖❖ Social Program ❖❖❖

Welcome Reception & Gata Baking Workshop

Date: September 17

Time: 18:00 – 21:00

Location: Silk Road Hotel

Web: <https://srhotelarmenia.com/en/>

Conference Dinner & Award Ceremony

Date: September 18

Time: 18:00 – 21:00

Location: Megerian Carpet Museum and Restaurant

Web: <https://www.megeriancarpet.am/>

Half-Day Excursion

Date: September 19

Time: 13:30 – 20:00

Destinations: (see <https://mech-eng-events.org/mes-2025/venue/armenia/> for more information):

- Geghard monastery
- Garni gorge – *Symphony of Stones*
- Garni temple

Optional After-Conference Program

Date: September 20

Program items: to be selected from the offers available

Note: These activities are not covered by your registration fee.
You should register for them (at registration desk) and pay separately.