



NEWSLETTER FALL 2026

https://community.asme.org/manufacturing_engineering_division/default.aspx/

Message from the Chair

**Submitted by Jaydeep Karandikar - MED
Executive Committee Chair**

Dear Manufacturing Engineering Division members,

On behalf of the MED Executive Committee, we are pleased to share this update on the state of the division and highlight the many activities made possible by our dedicated volunteers. MED remains strong and well positioned for the future, with an active community and growing opportunities for collaboration across ASME and other professional societies. This is an exciting time for manufacturing research, with increasing recognition of its importance across industry and society. We sincerely thank our members and volunteers whose contributions continue to advance the science and practice of manufacturing



The MED Executive Committee looks forward to serving and supporting our community during the 2026–2027 term. The Executive Committee includes:

- **Chair:** Jaydeep Karandikar, Oak Ridge National Laboratory
- **Vice-Chair:** Johnson Samuel, Rensselaer Polytechnic Institute
- **Program Chair:** Ihab Ragai, Penn State Behrend
- **Communications:** Teresa Rinker, General Motors
- **Secretary:** Arif Malik, University of Texas at Dallas

We are also joined by nine Technical Committees (TCs) that actively contribute to MED's efforts:

1. *Additive Manufacturing:*
Chair: Tsz Ho Kwok (Concordia University)
Vice-Chair: Dong Lin (Oregon State)
2. *Advanced Materials:*
Chair: Muhammad Jahan (Miami University)
Vice-Chair: Dong Lin (Oregon State)
3. *Biomanufacturing:*
Chair: Yifei Jin (University of Nevada, Reno)
Vice-Chair: Lei Chen (University of Massachusetts, Lowell)
4. *Life Cycle Engineering:*
Chair: Nehika Mathur (NIST)
Vice-Chair: Julia Zhao (Penn State)
5. *Manufacturing Equipment and Automation:*
Chair: Kyle Saleeby (Georgia Institute of Technology)
Vice-Chair: Semih Akin (Rensselaer Polytechnic Institute)
6. *Manufacturing Processes:*
Chair: Sarah Wolff (Ohio State University)
Vice-Chair: Azadeh Haghighi (University of Illinois, Chicago)
7. *Manufacturing Systems:*
Chair: Chenhui Shao (University of Michigan)
Vice-Chair: Guangze Li (General Motors)

8. *Nano/Micro/Meso Manufacturing:*

Chair: Hangbo Zhao (University of Southern California)

Vice-Chair: Erina Joyee (University of North Carolina at Charlotte)

9. *Quality and Reliability:*

Chair: Peng Wang (Case Western)

Vice-Chair: Yinan Wang (Rensselaer Polytechnic Institute)

MED is working to expand opportunities for Technical Committee (TC) engagement. Beginning in 2026, the MED Executive Committee and TC leadership will restart the TC-led state-of-the-art review paper initiative, with papers published in the ASME Journal of Manufacturing Science and Engineering (JMSE). The proposed papers will follow a two-year development cycle: papers initiated in 2026 will be presented at MSEC 2028 and published in the JMSE MSEC Special Issue. During development, authors will provide periodic updates to the MED community to share progress and receive feedback. Approximately 30% of each review paper will focus on the authors' perspectives on emerging trends, research gaps, and future research directions.

TC leadership is also encouraged to organize special events, including workshops, industry panels, and webinars, either throughout the year or in conjunction with Manufacturing Science and Engineering Conference. In addition, MED is working with ASME and TC leadership to develop dedicated webpages for each Technical Committee on the [MED website](#). These pages will provide an overview of each TC and highlight activities such as panels, webinars, workshops, and state-of-the-art review papers.

Our primary annual conference, the 2026 Manufacturing Science and Engineering Conference (MSEC 2023), was held from June 14-18, 2026, held at Pennsylvania State University, State College, PA. The conference saw a record number of registrations and paper submissions. We look forward to continuing the efforts established by our colleagues at MSEC 2026 that will be hosted by the Oregon State University on June 21 - 25, 2027. Planning is well underway by Professor Karl Haapala and the team at the University of Tennessee and by our Technical

Program Chair, Professor Ala Qattawi of the University of Toledo and Vice-Chair, Professor Rajiv Malhotra of Rutgers University.

In addition to MSEC, MED continues to support the Advanced Manufacturing Track at the ASME International Mechanical Engineering Congress & Exposition (IMECE). The Advanced Manufacturing Track continues to be one of the leading tracks at IMECE, reflecting the strong and growing interest in manufacturing across the engineering community.

We are grateful for the continued support of our dedicated ASME staff, especially Barbara Zlatnik, Chelsea Cheyenne Lewis-Bevel, and Andrew Koleba. MED also supports the dissemination of leading manufacturing research through two technical journals: the ASME Journal of Manufacturing Science and Engineering (JMSE) and the ASME Journal of Micro- and Nano-Manufacturing (JNMN). We thank Editors-in-Chief Albert Shih (JMSE) and Stefan Dimov (JNMN), along with the Associate Editors, for their continued leadership and service.

Recognizing the accomplishments of our community is also an important part of MED's mission. The division administers several prestigious manufacturing awards, and we encourage members to nominate deserving colleagues for these honors. Additional information and nomination details are available on the [MED awards website](#).

We welcome your ideas and suggestions as we continue to expand MED activities and build on the efforts of our community. Thank you for your continued involvement and support, and we look forward to working with you.

Jaydeep Karandikar, MED Chair (2026-2027)

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[Past Events](#)

[2026 ASME Manufacturing Science and Engineering Conference: Technical Program Report](#)

[Submitted by Ping Guo and Ala Qattawi- Program Chairs](#)

The 21st ASME International Manufacturing Science and Engineering Conference (MSEC 2026), sponsored by the Manufacturing Engineering Division (MED) of ASME, was held jointly with the 54th North American Manufacturing Research Conference (NAMRC 54), sponsored by the North American Manufacturing Research Institution of SME (NAMRI/SME), from June 14–18, 2026. The conference was hosted by The Pennsylvania State University in State College, PA. As preeminent professional societies in manufacturing engineering and mechanical engineering, SME and ASME act as effective bridges between industrial companies, government laboratories, and academic institutions. This joint conference symbolizes the continued collaboration of these esteemed organizations in research exchange and knowledge dissemination in advanced manufacturing and related fields.

MSEC 2026 / NAMRC 54 brought together **929** participants from **25** countries. Approximately 80% of the total registered conference attendees came from academic institutions, **9%** from industry, and **7%** from government, 4% from professional societies and non-profits. The Civil, Mechanical and Manufacturing Innovation (CMMI) Division of the National Science Foundation (NSF) supported the participation of **35** students studying in U.S. institutions with a grant that helped defray their cost of attending the conference.

MSEC 2026 received 280 paper submissions, of which 71 (25%) were brief papers and 209 (75%) were full-length technical papers. After rigorous peer review, 246 papers were accepted for publication, of which 67 (27%) were brief papers and 179 (73%) were full papers. The overall acceptance rate was 88%. The technical program also featured 121 poster presentations, 6 presentation-only contributions from industry, 25 submissions to the Doctoral Symposium, and 15 presentations of recently published papers in the ASME Journal of Manufacturing Science and Engineering (JMSE). MSEC also included student design competition presentations as part of the program. The technical papers, presentations, and posters had broad global representation, with authors from 20 countries and regions across six continents.

The accepted contributions were organized into 29 symposia under 9 technical tracks: Additive

Manufacturing, Advanced Materials Manufacturing, Biomanufacturing, Life Cycle Engineering, Manufacturing Equipment and Automation, Manufacturing Processes, Manufacturing Systems, Nano/Micro/Meso Manufacturing, and Quality and Reliability. In all, there were 76 technical sessions across 16 session time blocks over four days, with each technical paper given a 25-minute presentation and each brief paper given a 15-minute presentation, both including questions and answers. Symposium keynote and invited presentations were given a 50-minute slot. There were also 6 symposium keynote and invited speakers.

Best Paper Award

MSEC symposium organizers nominated 9 papers for the Best Paper Award. Author names and identifiers were removed from these papers. Papers were then reviewed and ranked by organizers from each track chairs/co-chairs. The Technical Program Chair compiled the results and confirmed the top choices with the MED Executive Committee (EC), which provided the final ranking for awards. The final awards were as follows:

First place: Huangyi Qu, Bin Dong, Shishuo Liu, Yi Cai, and Yanglong Lu for their paper “Sponge-Inspired 3D-Printed Lattice Biosensors for Wearable Pressure Sensing” (MSEC2026-180772)

Second place: Che-Hao Chen, Timothy Kuo, Xingyu Li and Hui Yang for their paper “Generative Digital Twinning for Reconfigurable Manufacturing” (MSEC2026-182863)

Second place: Yuseop Sim, Eunseob Kim, Junho Sohn, Joe Barr, Hojun Lee, Bradford W. Beach, Martin B.G. Jun and Ali Shakouri for their paper “Generative Latent Space Modeling of Stamping Sound for Anomaly Detection and Predictive Maintenance” (MSEC2026-182611)

JMSE Special Issue

Among the accepted technical papers, MSEC symposium organizers nominated candidate papers to be fast-tracked to the ASME Journal of Manufacturing Science and Engineering (JMSE). All the candidate papers, together with their reviews, were sent to the JMSE Editor-in-Chief, Dr. Albert Shih, for a new round of journal paper review. The JMSE Editor-in-Chief invited 17 papers, the highest number to date, to be further

reviewed by the journal. A total of 15 top MSEC papers received positive journal reviews and were compiled and published in the JMSE Special Section for MSEC 2026. The papers selected for this Special Section cover a wide range of topics across the technical tracks of the ASME MED.

Best Organizer of a Symposium and Session (BOSS) Award

The Technical Program Chair selected the recipients of the Best Organizer of a Symposium and Session (BOSS) Award in consultation with the MED Executive Committee. The recipients of this award were Xingyu Li (Purdue University), Rajiv Malhotra (Rutgers University), Sekhar Rakurty (M.K. Morse), Quan Zhou (Hitachi America) for AI in Manufacturing Systems.

Student-Centric Events

The conference included several student-centric events: NSF Early Career Forum (organized by Muhammad Jahan, Miami University), Women in Advanced Manufacturing (WIAM) Forum (organized by the organizing committee chaired by Maya Reslan, Office of the Minister of State for Administrative Reform), Student Manufacturing Design Competition (organized by Ihab Ragai, Penn State Behrend and Johnson Samuel, Rensselaer Polytechnic Institute), Poster Sessions (organized by Ala Qattawi, University of Toledo), and the Doctoral Symposium (organized by Ala Qattawi, University of Toledo). The Doctoral Symposium featured 20 presentations. Panels of judges selected the following Best Posters and Best Doctoral Symposium Presentations:

Best Poster Awards:

First Place: **MSEC190971**: Novel Interfacial Defect Control for Bimetallic Wire-Arc Directed Energy Deposition, Akshar Kota, Georgia Institute of Technology

Second Place: **MSEC191100**: Deep Reinforcement Learning for Batch Scheduling in CVD Coating Operations, Nick Deskevich, Penn State University / SilcoTek

Third Place: **MSEC190911**: A Digital Twin-driven Framework for Thermal Uniformity Optimization in Precision-Critical Manufacturing Systems, Yang Liu,

Wenbin Mao, & Nancy Diaz-Elsayed, University of South Florida

Best Doctoral Symposium Awardees:

First Place: **MSEC190526**: Secure and Adaptive Incremental Learning Frameworks for Design and Manufacturing, Boris Oskolko, Oklahoma State University

Second Place: **MSEC191140**: Development of Layer-Less Additive Manufacturing Approaches for High-Speed, Cost-Efficient Production of Functional Metal and Alloy Components, Dylan Joralmon, Arizona State University

Third Place: **MSEC190740**: Controlled Laser Patterning for Graphene-Based Multifunctional Flexible Electronics with Tunable 3D Geometries, Mirza Sahaluddin, University of Pittsburgh

Acknowledgments

The conference program was the result of the outstanding efforts of many people. We would like to thank all the authors for their technical paper and poster submissions. We also express our gratitude to all the organizers for their dedicated management of the tracks and symposia, as well as for guarding the quality of the papers and posters to be presented, which has contributed a great deal to the success of the conference technical program. We would also like to thank the host Organizing Committee, the Conference Coordinating Committee, the NAMRI/SME Scientific Committee, and the ASME MED Executive and Technical Committees. Our thanks also go to the ASME staff for their outstanding contributions in presenting conference information on the Internet, managing the submitted technical papers and posters, and ensuring the high-quality publication of the conference proceedings for MSEC 2026. We especially wish to thank ChelsaCheyenne Lewis-Bevel for her attention to detail and patience in answering every question we put her way in navigating the paper and poster submission and review process.

2026 NSF Manufacturing Blue Sky Competition

Submitted by Barbara Linke, ZJ Pei, and Michael Sealy – Competition Organizers

The 2026 conferences featured the Ninth annual NSF Manufacturing Blue Sky Competition, funded by the National Science Foundation (NSF) and organized by Barbara Linke, ZJ Pei, and Michael Sealy. This competition aims to influence the future of manufacturing research and education in the United States through new, visionary ideas of the future. A selection committee of 11 manufacturing experts from industry and government organizations was responsible for choosing finalists from submitted abstracts to make presentations on June 16, 2026. From these, they selected the recipients of the 2026 SME David Dornfeld Manufacturing Vision Award to be Mostafa Bedewy, PhD, University of Pittsburgh; Won Min Park, PhD, Kansas State University; and Meng Wang, PhD, University of Houston from Purdue University for their presentation “Protein-Based Manufacturing (ProMan): Programming Matter through Molecular Information”. The award is named in honor of the late Professor David Dornfeld, to recognize his outstanding vision and leadership within the manufacturing community. Runner-ups were Haydar Haydar, MS and Haijun Gong, PhD, both Georgia Southern University with “Planetary Manufacturing Fabric: From Factories to Programmable Matter” and Fatemeh Mozaffar, Yang Meng, Jialia Xie, Mozhddeh Rahmanpour, and Beshoy Morkos, PhD, all of the University of Georgia with “The Amnesiac Machine: Institutionalizing Shop-Floor Intelligence Through Human–Machine Co-Evolution”.

2026 ASME/SME Student Manufacturing Design Competition

Submitted by Prof. Ihab Ragai and Prof. Johnson Samuel - Student Competition Coordinators

The 2026 Student Manufacturing Design Competition (SMDC), jointly sponsored by ASME MED, NAMRI/SME and Penn State University, received a total of 31 entries. After detailed reviews, eight finalists were selected and invited to present their work during MSEC 2016/NAMRC 54, hosted by Penn State University, State College, PA, from June 15 – June 18.

The final presentations were thoroughly evaluated by several judges including Dr. Jarred Heigel, Professor Arif Malik, Professor Frank Pfefferkorn, and Dr. Teresa Rinker. All SMDC finalist projects were well prepared, and students showcased their projects with high-quality presentations, demonstrating results with a potentially high impact to industry. After serious debates, the judges decided to award the top three winners listed below, who received cash prizes of \$1,000, \$750, and \$500, respectively.

First place: Anirud Chakkarapani, Rebecca Anne Ang, Arnav Rao, Marissa Capelli, Dominick Scholten, and Ashe Lothamer from the Purdue University for their project entitled “In-situ Functional Graded Material Extrusion System for Direct Ink Writing,” advised by Professor Prof. Guang Yang.

Second place: Natalie Anfuso, Alicia Kearney, Elijah Law-Ho, Daniel Liss, and Dhaval Shah from Stevens Institute of Technology for their project entitled “Wired-In - A Benchtop Wire Arc Additive Manufacturing System,” advised by Professors Chaitanya Krishna Vallabh, Chan Yu, and Souran Manoochehri.

Third place: Nicole Chan, Grace Liang, and Ulyana Bunina from University of Waterloo for their project entitled “The Weave,” advised by Professor David Correa.

The Coordinators are grateful to all the judges for their assistance with the presentation evaluations. The event went exceptionally well, with on-time sessions, remarkable presentations and demonstrations, and involved audience.

The finalist teams all received travel support from the MED and/or the National Science Foundation. The Coordinators would like to thank all 31 SMDC participating teams for their high-quality submissions. The Coordinators would also like to encourage students and their advisers to consider participating in future SMDC activities. The MED leadership team is looking forward to more high-quality entries and participants in the 2027 SMDC.

The 2027 Student Manufacturing Design Competition will be held in person (face-to-face) on June 22, 2027 in Corvallis Oregon (Oregon State University). Teresa Rinker will be the competition coordinator. Submissions are due March 15, 2027, and are emailed to Teresa Rinker at teresa.rinker@gm.com and Ihab Ragai at ihab.ragai@psu.edu.

2026 NSF Early Career Forum

Submitted by Muhammad Pervej Jahan- Organizer

The Early Career Forum (ECF) was held on Tuesday, June 16th, 2026 from 6-8 pm at State College, PA during the joint conference of the ASME International Manufacturing Science and Engineering Conference (MSEC 2026) and the 54th NAMRI/SME North American Manufacturing Research Conference (NAMRC 54), hosted by the Department of Mechanical Engineering, and the Harold and Inge Marcus Department of Industrial and Manufacturing Engineering of the Pennsylvania State University. The ECF program was well attended by over 97 participants, who discussed their potential career paths, career goals, and relevant opportunities at the academia, industry, and national labs with a diverse and talented panel representing these areas. The event was sponsored by the National Science Foundation (NSF), who provided travel grants to selected participants, and the Manufacturing Engineering Division (MED) sponsored the food for the event. The goal of this forum was to provide current students at all levels of graduate and undergraduate programs as well as recent

graduates with information about various research and technical positions in academia, industry, and national laboratories. This was achieved

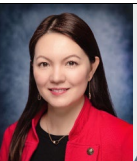
by networking between students or early career professionals with a panel of 15 diverse professionals having wide-range of experiences in industry, academia, and government/national labs. The list of panelists is shown in the table 1, where the table 2 shows the headshots of the panelists. Several of the panelists have experience in more than one of these sectors, as indicated in Table 1.

Table 1: List of Panelists with their experience areas

Panelist	Academia	Government/ National Labs	Industry
Dr. Satish Bukkapatnam <i>Professor, Texas A&M University</i>	x	x	
Dr. Denis Cormier <i>Professor, Rochester Institute of Technology</i>	x		x
Dr. Huijuan Dai <i>Program Manager, Department of Energy</i>		x	
Pallavi Eswara <i>Independent speaker and consultant</i>	x		
Dr. Hitomi Yamaguchi Greenslet <i>Professor, University of Florida</i>	x	x	x
Dr. Dan Hooks <i>Managing director, Coating and corrosion, Los Alamos National Laboratory</i>	x	x	x
Dr. Thomas Kurfess <i>Professor, Georgia Institute of Technology</i>	x	x	
Dr. Brigid Mullany <i>Professor, University of North Carolina at Charlotte</i>	x	x	
Dr. Chinedum Okwudire <i>Professor, University of Michigan</i>	x		x
Dr. Frank Pfefferkorn <i>Professor, University of Wisconsin-Madison</i>	x		
Dr. Ala Qattawi	x		

Associate Professor, University of Toledo			
Dr. Shekar Rakurty Research and Development Engineering Manager, The M. K. Morse Company			x
Dr. Mike Vogler Senior Manufacturing Engineering Manager, Caterpillar Inc.			x
Dr. Samantha Webster Assistant Professor, Colorado School of Mines	x	x	
Dr. Hui-Ping Wang Senior Technical Fellow, General Motors Research and Development Center			x

Table 2: Panelist headshots

				
Dr. Satish Bukkapatnam	Dr. Ala Qattawi	Dr. Denis Cormier	Dr. Huijuan Dai	Pallavi Eswara
				
Dr. Hitomi Yamaguchi Greenslet	Dr. Dan Hooks	Dr. Thomas Kurfess	Dr. Brigid Mullany	Dr. Chinedum Okwudire
				
Dr. Frank Pfefferkorn	Dr. Shekar Rakurty	Dr. Mike Vogler	Dr. Samantha Webster	Dr. Hui-Ping Wang

This was the 16th Early Career Forum held at the co-located MSEC-NAMRC conferences. The conference attendees were given the biographies of all panelists as part of the conference booklet published on the conference website. The forum promptly started at 6 pm with a brief introduction from the ECF chair and all the participants collecting their pizza dinner and taking seats. The forum consisted welcome and brief self-introductions and career advices by each panelist, while their biography was shown on the screen. Round table

group discussions were then held in break-out sessions, shown in the photo, where each panelist sat at his/her table to address questions from the participants. Participants were given an opportunity to change their table twice after every 20 minutes, in a three 20 minutes round. During the roundtable discussions, forum participants were given opportunities to discuss careers in academia, government, and industry. Panelists discussed how to search for a job, career management, and funding, among other topics that were relevant to the panelist. Participants were able to visit with several panelists during the 60 minutes roundtable session. There was a short Q&A section in the last 15 minutes, moderated by ECF chair, providing the participants an opportunity to ask any unanswered questions from round table discussions or any specific question to a specific panelist. The informal round-table nature of the forum facilitated meaningful discussions, where questions from all the students could be answered. Students came away feeling more knowledgeable about future opportunities in manufacturing engineering and related careers. Through their own experiences, the panelists also enhanced the students' enthusiasm and confidence by discussing the exciting array of available career paths, as well as providing their advice on how to overcome career-related challenges.



Photo: Picture of one of the nine round tables showing the panelist Dr. Frank Pfefferkorn and the participants.

The ECF chair would like to thank all the participants and our expert panelists, and would like to extend gratitude

to the National Science Foundation for covering the registration and lodging costs for 36 students including seven awardees who presented their work at the ASME/SME Student Manufacturing Design Competition. The organizer would also like to thank the MED for covering the expenses for food and would like to recognize the efforts of the conference hosts at Penn State University for their invaluable support in making this Early Career Forum successful, by providing facilities and technical support to the event.

2026 Women in Advanced Manufacturing

Submitted by Vinita Gangaram Jansari and Maya Reslan- Organizer

The The Women in Advanced Manufacturing (WIAM) Forum, in its seventh year, continued to showcase successful career paths, discuss next-generation technologies, and foster a supportive community in manufacturing engineering. The forum was organized by Maya Reslan (OMSAR), Vinita Jansari (Clemson University), Yang Du (Iowa State University), Erina Joyee (University of North Carolina at Charlotte), Azadeh Haghighi (University of Illinois Chicago), and Barbara Zlatnik (ASME), and held on Tuesday, June 16, 2026 from 4:45-6:00 PM (ET) at ASME MSEC 2026 | SME NAMRC 54 at Penn State University. The forum brought together 51 attendees this year, and the funding for this event was provided by ASME MED and SME.



For the first time, WIAM partnered with Early Career Forum for a joint panel session. The WIAM panelists featured prominent experts from government, academia, and industry – Dr. Huijuan Dai (US Department of Energy), Dr. Brigid Mullany (UNC Charlotte), and Dr. Hui-Ping Wang (General Motors), who

discussed career progression, emerging technologies, and community building.

A major highlight of the WIAM forum was the debut of the **WIAM Rising Star Award**, honoring outstanding women graduate students and postdocs shaping the future of advanced manufacturing through technical innovation, leadership, and advocacy.



Miki Banu presented the WIAM Rising Star award to Jiahui Ye.

The forum also featured an interactive Solution Room where participants engaged in scenario-based discussions covering four key topics: (i) career navigation and pivots, (ii) policy advocacy in the workplace, (iii) being a woman in manufacturing, and (iv) industry vs academia: making the move. Key takeaways and solutions emerging from these sessions emphasized: (a) the power of professional networking and finding women mentors, (b) the importance of self-advocacy, speaking up, and accepting support, (c) maintaining balance, recognizing personal capabilities, and practicing succinct communication, and (d) strategic community involvement, such as serving on boards and attending conferences.

Journal Reports

ASME Journal of Manufacturing Science and Engineering (JMSE)

Submitted by Albert Shih- Editor

This report provides MED colleagues an update on JMSE, which is our manufacturing community journal publication outlet. In 2025, JMSE received 701 submissions, 109 (15%) sent out for full review, and 90 (82%) of these fully reviewed manuscripts were accepted. We have a rigorous preview of the manuscript before sending out to review. The journal has an impact factor of 3.5, which is the 2nd highest among all ASME technical journals. The quality and reputation of JMSE published papers have been maintained and are the hallmark of JMSE.

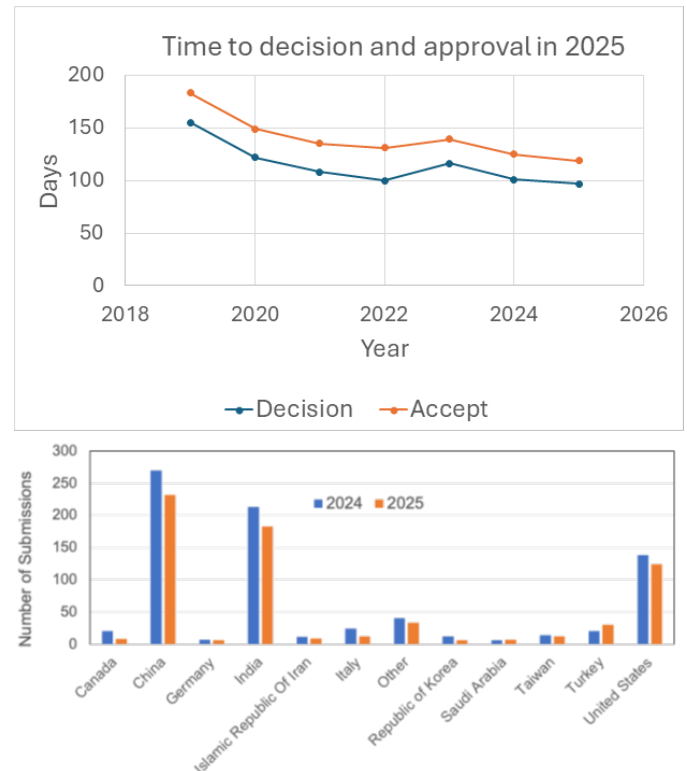
This report summarizes the status of JMSE on review time, country of submission, impact factor, partnership with the MED and MSEC, special issues, and editorial board status.

As shown in the figure, the time to decision is about 100 days (with at least two reviews). The time to approval for publication is about 125 days. Thanks to Associate Editors and Reviewers, we are on par with other journals. There are still rooms for improvements. Some Associate Editors may take longer to handle the submission. The journal assistant, Michele Hill, and I took the lead to identify the top 10 late review manuscripts to expedite the turnaround time. We aim for 80 days to decision as our continuous improvement target.

As shown in another figure, China is the top country submitting manuscripts to the JMSE. India is second. I hope to see more US submissions to JMSE. You can help by submitting your top research to JMSE. I encourage and hope that your research lab may submit 2 top research manuscripts to JMSE every year. JMSE continues to be well recognized by the quality of review and publish high quality papers.

Wiley is a new publication partner of ASME. We hope to see changes in easier access (particularly outside US) and downloading of JMSE papers. The paper submission and review will also be changed to the Wiley Research Exchange (ReX) system starting on July 22, 2026. We will all experience the changes and expect to learn and adjust to the new ReX system.

JMSE has built a close connection with the MED Executive Committee and MSEC Technical Committee. In this year, 21 JMSE journal papers are presented in MSEC and 16 MSEC recommended papers are fast-track published in JMSE. The 16 MSEC papers published in JMSE 2026 Special Issue is a record and shows the good quality of MSEC papers in 2026. This two-way partnership has been going well in the past three years. We are expecting to work closely with MED on the review papers from the MSEC Technical Tracks.



Special Issue is a way to engage with the manufacturing community and recognize leaders in the field. JMSE has published the following Special Issues in 2025.

- January 2025: Japanese Advanced Manufacturing
- March 2025: Advanced Laser Materials Processing - Honoring Larry Yao
- October 2025: 2025 MSEC Special Issue

We have two other Special Issues. One is an India Special Issue, which is by invitation only. Another is a very successful Joint Special Issue (with ASME Journal Medical Design) on Advances in Design and Manufacturing for Sustainability. This Special Issue has received over 20 submissions and will be a great collection. We can have a highlighted symposium during the 2027 MSEC in sustainability.

In 2027, we will celebrate JMSE Volume 150, which is the 150th anniversary of the first ASME Transaction. We will have a Vol. 150 Special Issue, which has 11 submissions now under review. These are top review papers. We plan to have highlighted presentations during the 2027 MSEC to celebrate the Volume 150 of JMSE.

We want to thank the service of retired Associate Editors: Wayne Li, Cheryl Xu, Yong Chen, Jaydeep Karandikar, Chris Saldana, and Ran Jin. JMSE has 23 Associate Editors now with Roland Chen and Xun Liu joining later in 2026. We work closely with the MED Technical Committee to select colleagues with a track record in good service to join the editorial board.

In summary, JMSE is in a good shape. In 2026, we are on track to have 700-800 submissions. JMSE can be better to improve the impact factor (with your help to cite JMSE papers). The time to decision can be further improved to 80 days or lower. We are striving to become a “community” journal which MED members feel at home in submitting, reviewing, and publishing in JMSE. Once again, I encourage you to submit 2 good manuscripts to JMSE every year.

ASME Journal of Micro and Nano-Science and Engineering (JMNSE)

Submitted by Stefan Dimov - Editor

The ASME Journal of Micro and Nano Science and Engineering (JMNSE) is uniquely positioned through its focus on emerging manufacturing technologies that enable a broad range of high-impact applications. These include, but are not limited to, micro- and nanofluidics, quantum devices, micro-optics, sensors and actuators,

industrial photonics, lab-on-a-chip systems, power generation and energy storage devices, moulded interconnect devices, MEMS and integrated circuit packaging, wearable technologies, life sciences and biomedical devices, pharmaceutical manufacturing, and metamaterials and metasurfaces. These application areas, together with the emerging technologies that support them, have grown significantly in importance in recent years.

Recognising this trend, the JMNSE Advisory Board recommended changing the journal's title in 2024 (the former title was the *ASME Journal of Micro and Nano Manufacturing*) to explicitly reflect advances in these application domains, rather than focusing exclusively on the underlying micro- and nanomanufacturing technologies. At the same time, this broader scope of JMNSE presents a significant challenge, as established journals already serve many of these application areas. An analysis of papers published during the first year following the journal's title change indicates that the majority of accepted manuscripts still fall within the journal's former scope. The journal therefore continues to attract predominantly contributions focused on micro- and nanomanufacturing technologies, rather than on the applications enabled by these technologies that the broadened scope is intended to attract. Consequently, the JMNSE Editorial Board, in collaboration with ASME MED and ASME Publishing and, more recently, through the capabilities of the Wiley ReX platform, has been pursuing a coordinated strategy to engage these research communities and attract high-quality submissions. This effort remains a major strategic priority and will continue over the coming years.

The journal has continued to work closely with ASME MED, and a Conference-to-Journal (C2J) mechanism has been established to invite and fast-track high-quality papers presented at MSEC and IMECE for subsequent consideration for publication. In particular, 12 and 5 nominated papers from MSEC 2025 and IMECE 2025, respectively, were invited for submission to regular issues of JMNSE. This collaboration with ASME MED, together with the MSEC and IMECE Technical Committees, will continue. It is envisaged that invited papers receiving a “journal-quality” rating from at least

one JMNSE reviewer will be fast-tracked for publication in the journal.

As intended, the journal has continued to attract submissions from the international Micro and Nano Manufacturing (MNM) community, including the International Institute for Micro Manufacturing (I2M2), the Multi-Material Micro Manufacturing (4M) Association, the International Forum on Micro Manufacturing (IFMM), and, more recently, Nanomanufacturing (nanoMan). As a result of mutually beneficial collaborations with I2M2, 4M, and IFMM in 2025, authors of high-quality papers presented at the World Congress on Micro and Nano Manufacturing (WCMNM2025) were invited either to submit their work as Technical Briefs/Letters or to extend their conference papers for submission as full Research Papers to the journal.

The journal received an impact factor for the first time in 2024, with JIF of 1.0 based on data indexed in the Web of Science Core Collection. This was an important milestone in establishing JMNSE as a leading scholarly journal for the MNM community. The JIF increased from 1.0 to 1.3 in 2025. While this represents a positive development, the increase remains modest, and the JIF is still relatively low compared with those of competing journals. Annual submissions have increased to approximately 50–60 manuscripts per year; however, it is evident that further measures will be required to increase submissions to 80 or more per year, a level last achieved in 2019.

Two Associate Editors, Takashi Matsumura (Tokyo Denki University, Japan) and Shih-Chi Chen (The Chinese University of Hong Kong, China), completed their third and second terms, respectively, and were recognised for their service to the journal during MSEC 2026. At the same time, four new Associate Editors, Ali Gökhan Demir (Politecnico di Milano, Italy), Georgi Todorov (TU-Sofia, Bulgaria), Sangkee Min (University of Wisconsin–Madison), and Sui Yang (Arizona State University), joined the [JMNSE Editorial Board](#)

As in previous years, papers published in JMNSE in 2024 and 2025 were nominated for the annual [Kornel F. Ehmann Manufacturing Medal](#), awarded by ASME MED.

The winners of the 2024 and 2025 Medals were, respectively, Raul M. Lema Galindo, Paras Ajay, and S. V. Sreenivasan, for their research paper “Simultaneous Micro- and Nanoscale Silicon Fabrication by Metal-Assisted Chemical Etch,” and Mahdi Pirani, Marlon Hahn, Hamed Dardaei Joghani, A. Erman Tekkaya, and Saeed Farahani, for their research paper “On the Potential of Manufacturing Multi-Material Components With Micro/Nanocellular Structures Via the Hybrid Process of Electromagnetic Forming Injection Foaming.”

On behalf of the JMNSE Editorial Board, I would like to thank the authors and reviewers for their continued support of the journal and the MED Executive Committee for its guidance and support. We look forward to continuing our work within and beyond the ASME community to create a platform that enables scholars and experts from across the globe to share knowledge, educate, and discover.

We invite you to join the Micro and Nano Manufacturing communities at their next gathering, the World Congress on MNM ([WCMNM 2027](#)), hosted by Arizona State University and chaired by Bruno Azeredo and Cindy (Xiangjia) Li.

Finally, we invite you to submit your manuscripts to ASME [JMNSE](#).

Awards

Submitted by Johnson Samuel- MED Vice Chair

Every year ASME bestows a number of awards on our most outstanding colleagues for their efforts to move various aspects of the manufacturing field forward. It is important that these individuals be recognized for their tremendous contributions. Please consider nominating a deserving colleague for one of the MED sponsored awards including the ones below. See <https://www.asme.org/about-asme/honors-awards> for further information on these awards and their nomination process.

Blackall Machine Tool and Gage Award

The Blackall Machine Tool and Gage Award is presented for the best original paper or papers (not published

elsewhere) which has/have been presented before ASME and/or published by ASME during the two calendar years immediately preceding the year of the award. The paper(s) should clearly demonstrate that the science and engineering technologies outlined in the paper, resulted in a significant contribution to the manufacturing processes and systems for the design or application of machine tools, gauges, dimensional measuring instruments, or new manufacturing technologies and metrology approaches. Papers by multiple authors are eligible. The award shall be made annually if warranted. The award was established in 1954 by Frederick S. Blackall, Jr., Fellow and Seventy-second President of the Society.

The recipients of 2026 Blackall Machine Tool and Gage Award are Aaron Cornelius, Jaydeep Karandikar, Chris Tyler, and Tony Schmitz for their paper “Process Damping Identification Using Bayesian Learning and Time Domain Simulation,” *ASME. J. Manuf. Sci. Eng.* August 2024; 146(8): 081002. <https://doi.org/10.1115/1.4064832>

Chao and Trigger Young Manufacturing Engineer Award

The Chao and Trigger Young Manufacturing Engineer Award acknowledges a promising manufacturing researcher under the age of 40, demonstrating the potential for substantial fundamental contributions to the science and technology of manufacturing processes.

The Chao and Trigger awardee for 2026 is Professor Guha Manogharan of The Pennsylvania State University. Prof. Manogharan is recognized for his significant contributions to additive manufacturing, 3D sand printing, biomedical applications of additive manufacturing, and national leadership in formalizing the emerging field of hybrid manufacturing.

M. Eugene Merchant Manufacturing Medal of ASME/SME

The M. Eugene Merchant Manufacturing Medal of ASME/SME was established in 1986 in recognition of the numerous contributions of Gene Merchant to manufacturing research. The medal is awarded annually to an individual who has had significant influence and responsibility for improving the productivity and efficiency (either by research or by implementation of research) of manufacturing operation(s).

The selection committee (Board of Award) consists of notable manufacturing experts from ASME and/or SME. Past recipients of the Merchant Medal are leaders from industry, e.g., Edson Gaylord, George Fisher, Laurence Seifert, and Richard Dauch, and academia/government, e.g., Gunter Spur, Yoram Koren, and Michael Molnar.

The 2026 Merchant Medal was presented to Masahiko Mori of DMG Mori Co., Ltd. The award recognized his meritorious contributions to manufacturing technology in science and industry; for leadership in the implementation of innovations in industrial practice and the global promotion of young engineers; and for sustained influence on productivity, quality, efficiency, and sustainability.

Kornel F. Ehmann Manufacturing Medal

The Kornel F. Ehmann Manufacturing Medal was established in 2019 by the Manufacturing Engineering Division of ASME, and is presented for the best current original journal paper or papers (not published elsewhere) which has/have been presented before ASME and/or published by ASME during the two calendar years immediately preceding the year of the award. The paper(s) should clearly demonstrate that the science and engineering technologies outlined in the paper, resulted in a significant contribution to the micro or nano-scale manufacturing processes and systems. Papers by multiple authors are eligible. The award will be made annually if warranted.

The 2026 recipients are Y. A. Wang and B. W. Anthony for their paper, “Absolute Magnitude of the Acoustic Radiation Force in a Multiwavelength Patterning Device Before and After Pattern Formation,” published in the

Journal of Micro and Nano-Manufacturing in December 2025.

Women in Advanced Manufacturing (WIAM) Rising Star Award

The inaugural Women in Advanced Manufacturing (WIAM) Rising Star Award, established in 2026 to recognize outstanding women graduate students and postdoctoral researchers, was presented to Jiahui Ye of The Pennsylvania State University. Her recognition highlighted her research and contributions in advanced manufacturing, with particular emphasis on metal additive manufacturing process modeling.

Service and Leadership

The MSEC 2026 also celebrated individuals whose sustained service strengthens the manufacturing engineering community. The MED Outstanding Service Award was presented to Jarred Heigel of ATA Engineering Inc. for his continuous contributions and leadership within the Manufacturing Engineering Division and his efforts to advance manufacturing benchmarking and engage the next generation of manufacturing professionals.

The ASME Dedicated Service Award was presented to Barbara S. Linke of the University of California, Davis. Established in 1983, the award recognizes dedicated voluntary service to ASME characterized by outstanding performance, effective leadership, prolonged commitment, enthusiasm, and devotion to the Society.

2027 Nominations:

The following Manufacturing Engineering Division awards were not conferred in 2026:

- William T. Ennor Manufacturing Technology Award
- Milton C. Shaw Manufacturing Research Medal
- DeVor-Kapoor Manufacturing Medal

The MED Awards Committee encourages the manufacturing community to consider and submit strong nominations for these awards in the 2027 cycle.

Nominations are Due February 1 annually, except December 15 for the Blackall Machine Tool and Gage Award (one and a half months earlier) and March 15 for WIAM Rising Star Award. Please visit the ASME MED awards website for details.

[Manufacturing Engineering Division - ASME](#)

Upcoming Events

22th ASME International Manufacturing Science and Engineering Conference (MSEC 2027)

by Ala Qattawi, Rajiv Malhotra (Program Chairs), and Karl Haapala (Conference Chair)

Our next conference, MSEC 2027, will be hosted by **Oregon State University** and held on June 21–June 25, 2027, in Corvallis, Oregon, USA. It will be co-located with the 55th North American Manufacturing Research Conference (NAMRC - sponsored by NAMRI/SME) & the International Conference on Leading Edge Manufacturing/Materials & Processing (LEM&P 2027) that is organized by the Japan Society of Mechanical Engineers (JSME)

ASME website: <https://event.asme.org/MSEC>

ASME submission web tool: <https://msec.secure-platform.com/a/>

Publication Schedule

The overall publication schedule for MSEC2027 is given below. (Note: For specific details and questions regarding these dates, please contact the appropriate symposium organizers.)

Submission of Abstract for Review

October 16, 2026

Submission of Draft Paper for Review

October 30, 2026

Notes: You must submit your paper's abstract first via the conference website. After the abstract is accepted, you can then submit the full-length paper via the conference website. Three types of paper submissions are available for MSEC2027: full papers (7-10 pages), brief papers (4-5 pages), and abstract-only presentations (ONLY

presenters from industry may submit an abstract as “Presentation Only”). High-quality MSEC 2027 papers will be channeled to an ASME journal for fast-tracked review and publication.

Possible Extension of the Full Manuscript Deadline

November 13, 2026

Notification of Paper Acceptance

January 29, 2027

Submission of Revised Paper for Review (if required)

February 19, 2027

Notification of Acceptance for Revised Papers

February 26, 2027

Submission of Posters

March 5, 2027

Submission of Copyright Form

Note: Electronic Copyright transfer forms are requested upon acceptance of the draft or revised draft and prior to the submission of the final paper.

Submission of Final Paper

March 26, 2027

Note: In accordance with ASME final paper requirements, publication in the conference proceedings is not guaranteed if materials (including the final paper and copyright transfer form) are received after March 26, 2027.

Author Registration Deadline

April 26, 2027

Note: Each presentation must have an identified presenter, and an individual may present a maximum of two papers. The presenter of each paper, poster, or presentation-only submission must register by the author registration deadline.

Technical Program Chairs: Ala Qattawi & Rajiv Malhotra

12 Tracks and 37 Symposia

Track 1: Additive Manufacturing – Chairs Tsz Ho Kwok & Dong Lin:

1. Smart Additive Manufacturing
2. Multi-Material Processing in Additive Manufacturing

3. Multi-Modal Sensor Fusion for In-Situ Monitoring and Control of Additive, Hybrid, and Convergent Manufacturing
4. Advances in Solid-state Additive Manufacturing
5. Advances in Metal Additive and Hybrid Manufacturing

Track 2: Advanced Materials Manufacturing-Chairs: Muhammad Jahan & Felicia Stan

6. Advanced Manufacturing of Flexible Electronics for Wearable Intelligence
7. Advances in Manufacturing and Processing of Polymers and Composites
8. Advances in Post-Processing of Metal, Composite, and Polymer AMed Parts
9. Manufacturing Advanced Materials for Next-Generation Energy Systems
10. Semiconductor Manufacturing: Advanced Microelectronics Packaging, Interconnection Technologies, and AI-Enabled Process Monitoring

Track 3: Biomanufacturing -Chairs: Yifei Jin & Lei Chen

11. Advances in Development and Analysis of Biomedical Devices and Their Interactions with Biological Materials
12. AI/ML-Enabled 3D Bioprinting: New Technology and Novel Bioink Development

Track 4: Life Cycle Engineering-Chairs: Nehika Mathur & Julia Zhao

13. Advancing Circular Manufacturing Through Systems Engineering and Technological Innovation
14. Securing Critical Material Supply Chains

Track 5: Manufacturing Equipment and Automation-Chairs: Kyle Saleeby & Semih Akin

15. Machine Tools, Industrial Robots, and Controllers: Programming, Control, and Autonomous Operation with Generative and Agentic AI
16. Advancing In-Space Manufacturing: Capabilities, Infrastructure, and Applications
17. Collaborative Robot-Empowered Human-Centric Manufacturing Automation in the Context of Industry 5.0
18. AI-Assisted Inspection and Predictive Maintenance for Manufacturing Automation
19. Analytics, Control, and Automation for Equipment and Manufacturing Processes

Track 6: Manufacturing Processes-Chairs: Sarah Wolff & Azadeh Haghighi

20. Advanced Manufacturing Processes for Surface Quality Control
21. Laser-Based Advanced Manufacturing and Material Processing
22. Advanced Manufacturing of Energy Technologies
23. Advances in Material Forming Processes
24. Advances in Manufacturing of Functional Devices and Bioinspired Structures
25. Manufacturing of Continuous Fiber-Reinforced Composite (FRC) Structures

26. Advanced Machining and Deformation Processes

TRACK 7: Manufacturing Systems-Chairs: Chenhui Shao & Guangze Li

27. Spatial Intelligence for Next-Generation Manufacturing Systems

28. Robotics and Automation in Smart Manufacturing Systems

29. Integrated Design-to-Manufacturing Hybrid Processes – System Level Approach

30. AI, Generative AI, and Agentic AI in Manufacturing Systems

31. Physical AI for Advanced Manufacturing: From Digital Integration to Real-World Deployment

Track 8: Nano/Micro/Meso Manufacturing-Chairs: Hangbo Zhao & Erina Joyee

32. Advances in Meso, Micro, and Nano Subtractive and Formative Manufacturing

33. Advances in Ceramic Machining and Manufacturing: Integrating Experiments, Modeling, and Simulations Across Multiple Length Scales

34. Microelectronics Metrology and Health Monitoring for Manufacturing and Packaging

Track 9: Quality and Reliability-Chairs: Edward Wang & Yinan Wang

35. Trustworthy and Data-Driven Quality Assurance for Smart Manufacturing

36. Advances in AI-Enabled Process Monitoring and Product Quality Assurance

37. Bridging ML Model Development in the Laboratory and Deployment on the Floor for Advanced Manufacturing

Track 10: Posters – Chair: Rajiv Malhotra

Track 11: Student Manufacturing Design Competition – Chair: Teresa Rinker

Track 12: Doctoral Symposium – Chair: Rajiv Malhotra

Advanced Manufacturing, ASME 2026 IMECE, Track 3

Submitted by Salman Pervaiz – Committee Chair of the IMECE Track 3

The ASME International Mechanical Engineering Congress & Exposition (IMECE) is ASME's flagship meeting for research leaders from academia, government, and industry. It brings them together to build collaborations and exchange ideas that drive innovation across the engineering disciplines. Under the theme "Advancing Global Solutions: Convergence to Transformative Impact," IMECE 2026 will highlight how

mechanical engineering helps address global challenges through innovation and resilience.

- Location: Vancouver Convention Centre, Vancouver, British Columbia, Canada
- Dates: November 8–12, 2026
- Congress Theme: Advancing Global Solutions: Convergence to Transformative Impact

Track Chair and Co-Chairs of IMECE 2026

- Salman Pervaiz, Ph.D.
Track Chair
Rochester Institute of Technology – Dubai Campus, UAE
- Vladimir Kuts, Ph.D.
Track Co-Chair
Tallinn University of Technology, Tallinn, Estonia
- Xingyu Li, Ph.D.
Track Co-Chair
Purdue University, West Lafayette, IN, USA
- Abdul Sayeed Khan, Ph.D.
Track Co-Chair
Oak Ridge National Laboratory, Oak Ridge, TN, USA (Previous), Honeywell Aerospace, Phoenix, Arizona, USA (Current)



Salman Pervaiz
Rochester Institute of Technology
Track Chair



Vladimir Kuts
Tallinn University of Technology
Track Co-Chair



Xingyu Li
Purdue University
Track Co-Chair



Abdul Sayeed Khan
Oak Ridge National Lab
Track Co-Chair

Track Plenary Speakers

Two distinguished speakers will give plenary talks for Track 3 at IMECE 2026. One brings an industry perspective and the other a national-laboratory perspective on the future of manufacturing.

Dr. Vasiliy Krivtsov

Presentation Title: *Recent (AI/ML Enhanced) Advances in Root Cause Analysis of Reliability Issues*

Dr. Vasiliy Krivtsov is the Director of Reliability Analytics at the Ford Motor Company and a Henry Ford Technical Fellow. He also holds the position of Adjunct Professor of Reliability Engineering at the University of Maryland, where he teaches a graduate course on Advanced

Reliability Data Analysis and coordinates students' research projects.

Dr. Soumya Nag

Presentation Title: *Directed Energy Deposition Additive Manufacturing Strategies for Alloy Development and Convergent Manufacturing*

Dr. Nag is a Distinguished R&D Staff member and Section Head of Materials Processing Science & Engineering in ORNL's Materials Science and Technology Division. His research looks at how processing, both additive and conventional, shapes the microstructure and performance of lightweight and high-temperature structural alloys. Recent ORNL work in this area includes convergent manufacturing of large-scale nuclear components.

Track 3: Advanced Manufacturing



Vasily Krivtsov
The University of Maryland
[View Biography](#)



Soumya Nag
Oak Ridge National Laboratory
[View Biography](#)

Submission Overview

The Advanced Manufacturing track (Track 3) is again one of the largest tracks at IMECE. It is sponsored by the Manufacturing Engineering Division (MED) of ASME.

- The track received 138 submissions. That is 12.5% of the total submissions across all 18 congress tracks.
- It is the second-largest track overall, two submissions behind Mechanics of Solids, Structures and Fluids (140).
- It is the largest track by technical paper publications: 106 papers, compared with 67 for the next-largest track (Energy).

The 138 submissions comprise:

- o 106 technical paper publications (77%)
- o 32 technical presentations (23%)

The program is organized into 28 technical sessions across 19 topics.

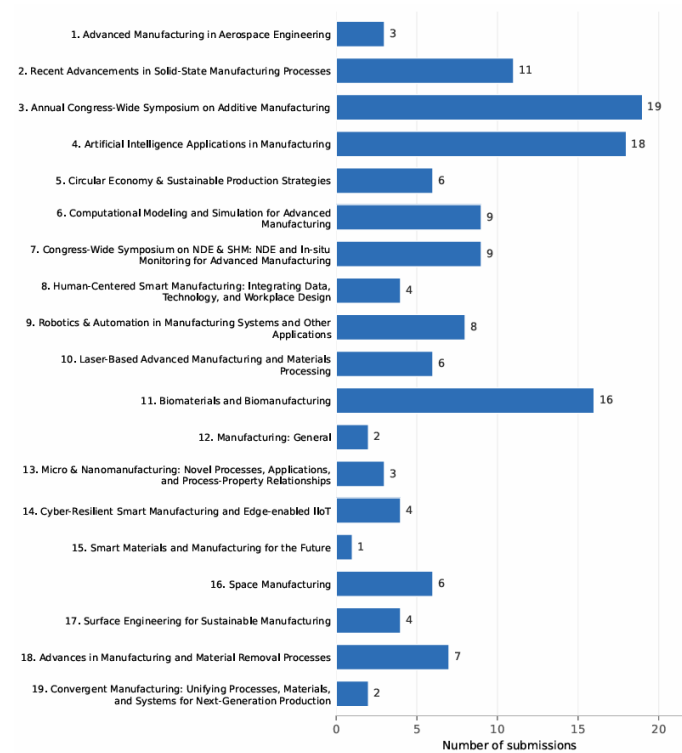
Track 3 has 19 topics in 2026. New areas include AI, cyber-resilient IIoT, space manufacturing, circular economy and convergent manufacturing. Submissions per topic:

1. Advanced Manufacturing in Aerospace Engineering (3)
2. Recent Advancements in Solid-State Manufacturing Processes (11)
3. Annual Congress-Wide Symposium on Additive Manufacturing (19)
4. Artificial Intelligence Applications in Manufacturing (18)
5. Circular Economy & Sustainable Production Strategies (6)
6. Computational Modeling and Simulation for Advanced Manufacturing (9)
7. Congress-Wide Symposium on NDE & SHM: Non-destructive Evaluation (NDE) and In-situ Monitoring for Advanced Manufacturing (9)
8. Human-Centered Smart Manufacturing: Integrating Data, Technology, and Workplace Design (4)
9. Robotics & Automation in Manufacturing Systems and Other Applications (8)
10. Laser-Based Advanced Manufacturing and Materials Processing (6)
11. Biomaterials and Biomanufacturing (16)
12. Manufacturing: General (2)
13. Micro & Nanomanufacturing: Novel Processes, Applications, and Process-Property Relationships (3)
14. Cyber-Resilient Smart Manufacturing and Edge-enabled IIoT (4)

- 15. Smart Materials and Manufacturing for the Future (1)
- 16. Space Manufacturing (6)
- 17. Surface Engineering for Sustainable Manufacturing (4)
- 18. Advances in Manufacturing and Material Removal Processes (7)
- 19. Convergent Manufacturing: Unifying Processes, Materials, and Systems for Next-Generation Production (2)

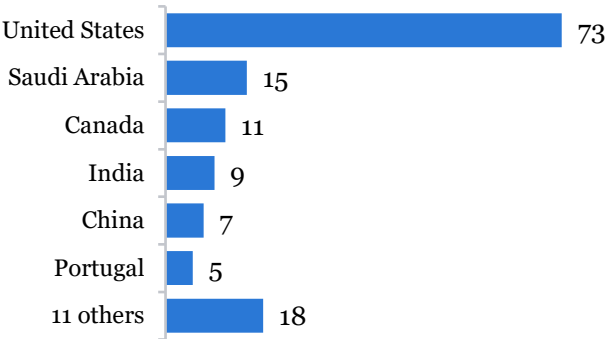
Global Participation

Track 3 attracted submissions from 17 countries and about 75 institutions. Nearly half the submissions (47%) came from outside the United States.



he three largest topics are Additive Manufacturing, AI Applications in Manufacturing and Biomaterials/Biomanufacturing. Together they account for 38% of the track.

Track 3 submissions by country



Should you have comments or suggestions regarding the information presented in this Newsletter, please do not hesitate to contact members of the EC and MED Technical Committees listed below.

ASME MED Executive Committee Members (2026-2027)				
Chair	Vice-Chair	Program Chair	Communications	Secretary
Jaydeep Karandikar	Johnson Samuel	Ihab Ragai	Teresa Rinker	Arif Malik
Oak Ridge National Laboratory	Rensselaer Polytechnic Institute	Penn State University	General Motors Research & Development	The University of Texas at Dallas
karandikarjm@ornl.gov	SAMUEJ2@rpi.edu	ihab.ragai@psu.edu	teresa.rinker@gm.com	arif.malik@utdallas.edu
ASME MED Technical Committees (2026-2027)				
Additive Manufacturing		Chair: Tsz Ho Kwok (Concordia University) Vice-Chair: Dong Lin (Oregon State)		
Advanced Materials		Chair: Muhammad Jahan (Miami University) Vice-Chair: Dong Lin (Oregon State)		
Biomanufacturing		Chair: Yifei Jin (University of Nevada, Reno) Vice-Chair: Lei Chen (University of Massachusetts, Lowell)		
Life Cycle Engineering		Chair: Nehika Mathur (NIST) Vice-Chair: Julia Zhao (Penn State)		
Manufacturing Equipment and Automation		Chair: Kyle Saleeby (Georgia Institute of Technology) Vice-Chair: Semih Akin (Rensselaer Polytechnic Institute)		
Manufacturing Processes		Chair: Sarah Wolff (Ohio State University) Vice-Chair: Azadeh Haghighi (University of Illinois, Chicago)		
Manufacturing Systems		Chair: Chenhui Shao (University of Michigan) Vice-Chair: Guangze Li (General Motors)		
Nano/Micro/Meso Manufacturing:		Chair: Hangbo Zhao (University of Southern California) Vice-Chair: Erina Joyee (University of North Carolina at Charlotte)		
Quality and Reliability		Chair: Peng Wang (Case Western) Vice-Chair: Yinan Wang (Rensselaer Polytechnic Institute)		