

ASME Materials Division 2023 News

MESSAGE FROM THE CHAIR



Hareesh Tippur, Chair
Materials Division (2022-23)
Auburn University, AL

As my tenure as the Chair of the Executive Committee (EC) of ASME Materials Division comes to an end, I would like to take this opportunity to thank my fellow members of the EC for all their contributions over the past year: Professor **Çağlar Oskay** (Vice Chair) from Vanderbilt University chaired the Division Awards Committee, Professor **Hanqing Jiang** (Program Chair) from Westlake University (China) and Professor **Curt Bronkhorst** (Program Vice Chair) from University of Wisconsin have organized the MD Track at IMECE 2023, Dr. **Huck Beng Chew** (EC Secretary) from the University of Illinois, Urbana Champaign has kept the records of all our meetings, and Professor **Yue Qi** (EC Member-at-Large) from Brown University has put together this newsletter. It

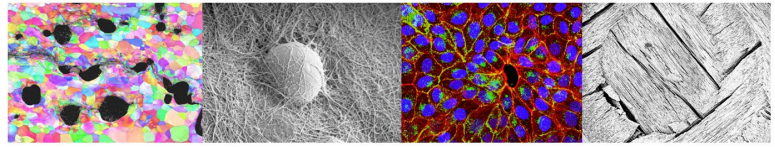
has truly been a great pleasure to be part of this team over this past year.

I also would like to recognize the leaders of the MD Technical Committees for their contributions and service to the Materials Division and to the community as a whole.

Some of the highlights of our activities during 2022-23 are described below.

IMECE 2023. Through its Technical Committees, the Materials Division continues to play a very active role in the organization of symposia and plenary lectures at the annual ASME International Mechanical Engineering Congress and Exposition (IMECE). For IMECE 2023 MD-sponsored Track 4 titled “**Advanced Materials: Design, Processing, Characterization and Applications**”, we are sponsoring/co-sponsoring 37 symposia with a total of 164 presentations/papers. The list of Track 4 symposia and symposium organizers is provided later in this newsletter. MD will also co-sponsor the “**Women in ME and ASME**” network event on Monday 4-6 PM (Convention Center, Room 390).

We are looking forward to the two MD-sponsored plenary lectures for Track 4 by Dr. **Markus J. Buehler**, McAfee Professor in Engineering at MIT, and Dr. **Taher Saif**, Edward William and Jane Marr Gutsell Professor in the Department of Mechanical Science and Engineering at UIUC. The



titles and abstracts of these two plenary talks are provided in the newsletter. Please make sure to join us for these two plenary lectures.

Awards: Every year, the Materials Division seeks nominations to select the most deserving candidate for the MD-sponsored society and division level awards. This year, the list of awardees is as follows:

Nadai Medal: Professor **Nancy Sottos**, University of Illinois, Urbana Champaign,

Materials Division Centennial Mid-Career Award: Professor **Ting Zhu**, Georgia Institute of Technology,

Sia Nemat-Nasser Early Career Award: Assistant Professor **Lihua Jin**, University of California, Los Angeles,

Orr Family Early Career Award: Assistant Professor **Grace Gu**, University of California, Berkeley.

These and other MD awardees will be recognized during a special awards symposium followed by a reception event hosted by MD on Wednesday, November 1, 2023, 3-6pm in Room 395, Convention Center during IMECE.

Journals: The Materials Division sponsors two ASME journals – the [Journal of Engineering Materials and Technology](#) (JEMT) and the [ASME Journal of Engineering and Science in Medical Diagnostics and Therapy](#) (JESMDT).

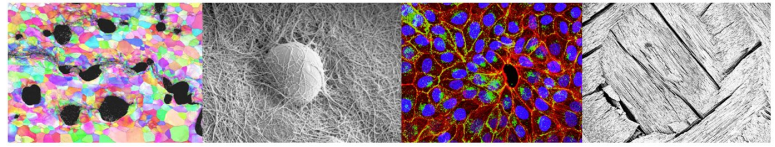
Under the stewardship of the Editor-in-Chief **Professor Mohammed Zikry** from North Carolina State University and a group of dedicated Associate Editors, JEMT has flourished. Starting July 2023, JEMT will have a new Editor-In-Chief, **Dr. Abigail Hunter** from the Los Alamos National Laboratory. I would like to take this opportunity to thank Professor Zikry for his successful stewardship of JEMT over the past 10 years and welcome Dr. Hunter into the new role with our best wishes for reaching new heights during her tenure. We are also proud to present this year's Orr Best Paper Award sponsored by JEMT to **D. Z. Avery, C. E. Cleek, B. J. Phillips, M. Y. Rekha, R. P. Kinser, H. M. Rao, L. N. Brewer, P. G. Allison, J. B. Jordon**, University of Alabama - Tuscaloosa.

The JESMDT, led by the founding Editor-in-Chief Professor **Ahmed Al-Jumaily** from Auckland University of Technology, aims to bridge the gap between engineers and non-engineers and translate engineering knowledge into clinical applications to accelerate biomedical innovation, trials, and commercialization.

Members are encouraged to submit their high-quality works to both journals.

Technical Committees: The Materials Division has eight Technical Committees who have been essential in organizing the many symposia in Track 4 at IMECE 2023. The list of MD Technical Committees and their leaders is provided at the end of this newsletter.

In closing, I would like to recognize and thank some individuals who have contributed to the continued success of MD over the past year and in particular Ms. **April Tone**, who is the Senior Manager, Technical & Engineering Communities (TEC) Operations at ASME and our liaison with

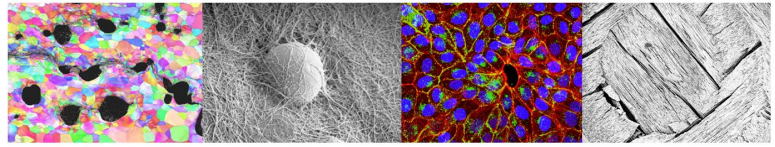


the ASME Headquarters. I also would like to thank Ms. **Leila Persaud**, who, as Administrator of Honors & Fellows at ASME, has been very helpful during the award selection process.

Professor **Çağlar Oskay** will take over as the Chair of the MD Executive Committee after IMECE 2023. I am convinced that the Materials Division will be in good hands under his leadership and that of the members of the Executive Committee. I wish them all my very best.

Hareesh V. Tippur

Hareesh Tippur, Chair
ASME Materials Division (2022-2023)



Materials Division Awards and 2023 Winners

Nadai Medalist: The **Nadai Medal** is awarded in recognition of significant contributions and outstanding achievements broadening the field of materials engineering.

The 2023 Nadai Medalist is **Dr. Nancy Sottos**, Maybelle Leland Swanlund Endowed Chair Professor and is Head of the Department of Materials Science and Engineering at the University of Illinois Urbana Champaign, *for pioneering contributions to the development of self-healing polymers and composites.*

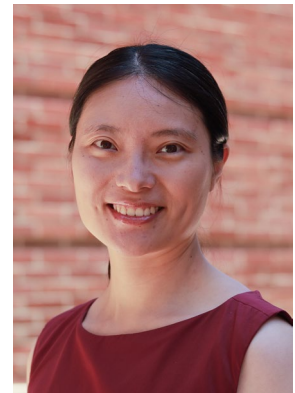


Nadai Award Lecture: **Regenerative Energy-Efficient Manufacturing of Thermoset Polymeric Materials**

Wednesday, Nov. 1, 2023, 4:15 PM – 5:00 PM

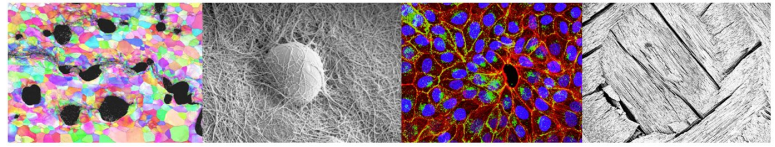
Sia Nemat-Nasser Early Career Awardee: The Sia Nemat-Nasser Award is to recognize a researcher within 10 years of completing the terminal degree, working in experimental, computational, or theoretical mechanics and materials, with an emphasis on under-represented groups.

The 2023 Sia Nemat-Nasser Awardee is **Dr. Lihua Jin** Assistant Professor in the Department of Mechanical and Aerospace Engineering, at the University of California, Los Angeles, *for unraveling coupled non-equilibrium processes in stimuli-responsive soft materials to achieve programmable shape morphing and actuation, developing novel mechanical metamaterials for reusable energy absorption and reversible shape transformation, and providing mechanistic understanding of stretchability of electronic materials and devices.*



Sia Nemat-Nasser Early Career Award Lecture: **To be presented during IMECE 2024**

Wednesday, Nov. 1, 2023, 3:05 PM – 3:10 PM



Materials Division Centennial Mid-Career Awardee: The Centennial Mid-Career Award is given to a researcher between 10 and 20 years of his/her terminal degree who has made impactful contributions in a technical area at the interface of materials and mechanics.

The 2023 Centennial Mid-Career Awardee is **Dr. Ting Zhu**, Woodruff Professor of Mechanical Engineering, Georgia Institute of Technology *for his seminal contributions to computational nanomechanics, multiscale modeling and mechanistic understanding of the mechanical behavior of advanced materials.*



Centennial Mid-Career Award Lecture: **Mechanics of extremely heterogeneous materials**

Wednesday, Nov. 1, 2023, 3:40 PM – 4:15 PM

Materials Division Orr Early Career Awardee: The Orr Family Early Career Award is to recognize early career research excellence within 7 years of terminal degree in the areas of experimental, computational, or theoretical fatigue, fracture, or creep.

The 2023 Orr Early Career Awardee is **Dr. Grace X. Gu**, Assistant Professor of Mechanical Engineering, University of California, Berkeley, *for contributions to computational and experimental fracture mechanics, with a focus on bioinspired composites and architected materials for applications from body armor to lightweight aerospace structures.*



Orr Early Career Award Lecture: **Symmetry is meant to be broken: Exploring the impact of disrupted symmetry in architected materials**

Wednesday, Nov. 1, 2023, 3:10 PM – 3:40 PM

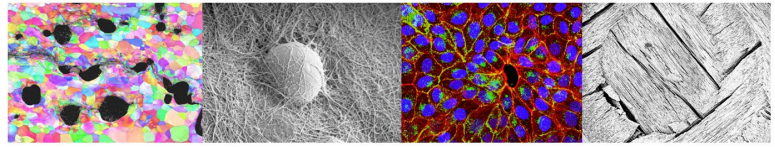
Materials Division Track-4 Plenary Lectures at IMECE 2023

The Materials Division will be sponsoring two plenary lectures during IMECE 2023. The feature two of the foremost experts in mechanics and materials.

Plenary Talk I: **Materials by Design: Bioinspired Material Mechanics: Digital Discovery, Design and Manufacturing,**

Dr. Markus J. Buehler, McAfee Professor of Engineering at MIT, a member of the Center for Materials Science and Engineering, and the Center for Computational Science and Engineering at the Schwarzman College of Computing.





Wednesday, Nov. 1, 2023, 9:45 AM - 10:30 AM

Abstract: Digital biomaterials are designed through an integrated approach of large-scale computational modeling, material informatics, and artificial intelligence/machine learning to optimize and leverage novel smart material manufacturing for advanced mechanical properties. Through the use of nanotechnology and additive manufacturing, and bio-inspired methods, we can now mimic and improve upon natural processes by which materials evolve, are manufactured, and how they meet changing functional needs. In this talk we show how we use mechanics to fabricate innovative materials from the molecular scale upwards, with built-in bio-inspired intelligence and novel properties, while sourced from sustainable resources, and breaking the barrier between living and non-living systems. Applied specifically to protein materials, this integrated materiomic approach is revolutionizing the way we design and use materials, and has the potential to impact many industries, as we harness data-driven modeling and manufacturing across domains and applications. The talk will cover several case studies covering distinct scales, from spider webs and silk, to collagen, to biomineralized materials, as well as applications to food and agriculture, and focuses on mechanistic insights using scaling laws and size effect studies.

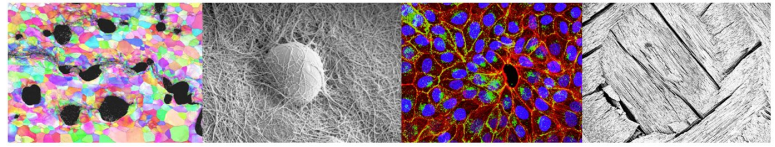
Plenary Talk II: **Living Machines and Materials.**

Dr. Taher Saif, Edward William and Jane Marr Gutgsell Professor in the Department of Mechanical Science and Engineering at the University of Illinois at Urbana-Champaign.



Thursday, Nov. 2, 2023, 9:15 AM - 10:00 AM

Abstract: Industrial revolution of the 19th century marked the onset of the era of machines and new materials that transformed societies. However, these machines and materials cannot self-assemble or heal themselves. On the other hand, since the discovery of genes, there is a considerable body of knowledge on engineering living cells. It is now possible to envision biohybrid active materials, machines and robots with living cells and scaffolds. These living materials may become active through a self-assembly process, and the machines may self-assemble and emerge from complex interactions between the cells and the scaffolds at various hierarchical levels. We will highlight a few biohybrid machines developed in various labs around the world, but discuss in detail a biohybrid swimmer that emerges from interactions between a scaffold and living materials consisting of muscle cells and neurons. While such machines demonstrate the first milestone achieved in this new field of living intelligent robots with unprecedented opportunities, they also highlight the current limitations and gaps in the field. Closing these fundamental gaps will not only pave the way to more complex engineered living systems, but will also provide new insight on biological processes and the life itself. A few key challenges and unanswered questions will be discussed.



Materials Division Track at IMECE 2023

The Division's Technical Program, shown below, is organized by **Prof. Hanqing Jiang** (Program Chair) and **Prof. Curt Bronkhorst** (Program Vice Chair). Some Technical Committees have collaborated with other Divisions to minimize replication of topics and maximize attendance. There are 37 symposia sponsored by the Division in Track 4: Advanced Materials: Design, Processing, Characterization and Applications, with 164 presentations.

We are very grateful for the considerable dedication of the organizers of the symposia sponsored by the Division. Track 4 symposia and their session chairs/organizers are recognized below:

Track 4: Advanced Materials: Design, Processing, Characterization and Applications

MONDAY

04-07-01: Process Development, Characterization, and Optimization for Additive, Subtractive, and Hybrid Manufacturing

Monday, October 30, 10:45 AM - 12:30 PM

Session Chairs: Adrian Sabau, Majid Minary, Bo Li, Ahsan Mian

04-08-01: Design of engineered materials and components for additive manufacturing

Monday, October 30, 10:45 AM - 12:30 PM

Session Chairs: Andrew Gaynor, Natasha Vermaak, Mohammadreza Yaghoobi

04-02-01: Material Processing of Flexible/Emerging Electronics, Sensors, and Devices

Monday, October 30, 2:00 PM - 3:45 PM

Session Chairs: Xueju Wang, Bo Li, Shanshan Yao, Cunjiang Yu, Jianliang Xiao

04-02-02: Material Processing of Flexible/Emerging Electronics, Sensors, and Devices

Monday, October 30, 4:00 PM - 5:45 PM

Session Chairs: Shanshan Yao, Xueju Wang, Bo Li, Cunjiang Yu, Jianliang Xiao

TUESDAY

04-01-01: Mechanics of Design, Processing, and Performance of Heterogeneous Composites

Tuesday, October 31, 10:15 AM - 12:00 PM

Session Chairs: Kedar Kirane, Xueju Wang

04-05-01: Materials Processing and Characterization

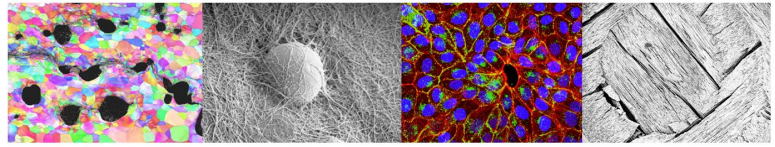
Tuesday, October 31, 10:15 AM - 12:00 PM

Session Chairs: Sridhar Santhanam, Raghu Prakash, Ram V. Mohan, Anil Saigal, Abiodun Fasoro,

04-05-02: Materials Processing and Characterization

Tuesday, October 31, 2:00 PM - 3:45 PM

Session Chairs: Raghu Prakash, Sridhar Santhanam, Ram V. Mohan, Anil Saigal, Abiodun Fasoro



04-20-01: Dynamics of Advanced Functional Materials and Structures

Tuesday, October 31, 2:00 PM - 3:45 PM

Session Chairs: Yan Li, Jun Xu, Akio Yonezu, Feng Zhu

04-03-01: Mechanical Metamaterials

Tuesday, October 31, 4:00 PM - 5:45 PM

Session Chairs: Jaehyung Ju, Jordan R. Raney

04-06-01: Nanoengineered, Nano Modified, Hierarchical, Multi-Scale Materials and Structures

Tuesday, October 31, 4:00 PM - 5:45 PM

Session Chairs: Ram V. Mohan, Bo Li

04-05-03: Materials Processing and Characterization

Tuesday, October 31, 4:00 PM - 5:45 PM

Session Chairs: Abiodun Fasoro, Raghu Prakash, Sridhar Santhanam, Ram V. Mohan, Anil Saigal

04-01-02: Mechanics of Design, Processing, and Performance of Heterogeneous Composites

Tuesday, October 31, 4:00 PM - 5:45 PM

Session Chairs: Yan Li, Kedar Kirane

WEDNESDAY

04-09-01: Design of Engineering Materials

Wednesday, November 1, 10:45 AM - 12:30 PM

Session Chairs: Feruza Amirkulova, Sara Adibi, Mohammadreza Yaghoobi, Yumeng Li, Wei Zhao

04-29-01: Additive Manufacturing and 3D Printing

Wednesday, November 1, 10:45 AM - 12:30 PM

Session Chairs: Xiang Zhang, Jun Li, Aditya Kumar, Dong Qian, Philippe Geubelle

04-05-04: Materials Processing and Characterization

Wednesday, November 1, 10:45 AM - 12:30 PM

Session Chairs: Raghu Prakash, Sridhar Santhanam, Ram V. Mohan, Anil Saigal, Abiodun Fasoro

04-29-02: Frontal Polymerization and 3D Printing

Wednesday, November 1, 2:00 PM - 3:45 PM

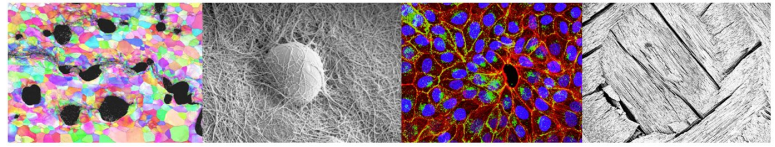
Session Chairs: Xiang Zhang, Jun Li, Aditya Kumar, Dong Qian, Philippe Geubelle

04-14-01: Active Materials for Bioinspired and Biomimetic Applications

Wednesday, November 1, 2:00 PM - 3:45 PM

Session Chairs: Ruike Renee Zhao

04-05-05: Materials Processing and Characterization



Wednesday, November 1, 2:00 PM - 3:45 PM

Session Chairs: Anil Saigal, Raghu Prakash, Sridhar Santhanam, Ram V. Mohan, Abiodun Fasoro

04-17-01: Manufacturing, Integration and Characterization of Multifunctional Structure and Devices

Wednesday, November 1, 4:00 PM - 5:45 PM

Session Chairs: Hanqing Jiang, Weiyi Lu, Jon Ryu, Baoxing Xu, Changyong Cao, Sriharsha Srinivas Sundaram

04-18-01: Bioinspired Materials, Structures and Applications

Wednesday, November 1, 4:00 PM - 5:45 PM

Session Chairs: Seyed Allameh, Zhenhai Xia, Travis Shihao Hu

04-29-03: Frontal Polymerization and Machine Learning

Wednesday, November 1, 4:00 PM - 5:45 PM

Session Chairs: Xiang Zhang, Jun Li, Aditya Kumar, Dong Qian, Philippe Geubelle

04-05-06: Materials Processing and Characterization

Wednesday, November 1, 4:00 PM - 5:45 PM

Session Chairs: Anil Saigal, Raghu Prakash, Sridhar Santhanam, Ram V. Mohan, Abiodun Fasoro

THURSDAY

04-21-01: Printed Hybrid Multifunctional Electronics and Energy Devices

Thursday, November 2, 10:15 AM - 12:00 PM

Session Chairs: Changyong Cao, Kun Fu, Changhong Cao, Yunteng Cao

04-05-07: Materials Processing and Characterization

Thursday, November 2, 10:15 AM - 12:00 PM

Session Chairs: Ram V. Mohan, Raghu Prakash, Sridhar Santhanam, Anil Saigal, Abiodun Fasoro

04-29-04: Composite Manufacturing and Properties

Thursday, November 2, 10:15 AM - 12:00 PM

Session Chairs: Xiang Zhang, Philippe Geubelle, Dong Qian, Jun Li, Aditya Kumar

04-17-02: Manufacturing, Integration and Characterization of Multifunctional Structure and Devices

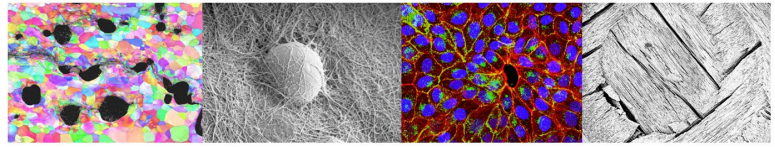
Thursday, November 2, 10:15 AM - 12:00 PM

Session Chairs: Fuming Yang

04-21-02 Printed Hybrid Multifunctional Electronics and Energy Devices

Thursday, November 2, 2:00 PM - 3:45 PM

Session Chairs: Changyong Cao, Jonathan Singer



04-05-08: Materials Processing and Characterization

Thursday, November 2, 2:00 PM - 3:45 PM

Session Chairs: Abiodun Fasoro, Raghu Prakash, Sridhar Santhanam, Ram V. Mohan, Anil Saigal

04-26-01: Integrated Computational Materials Engineering (ICME) Mini-symposium

Thursday, November 2, 2:00 PM - 3:45 PM

Session Chairs: George Z Voyiadjis, Mohammadreza Yaghoobi

04-27-01: Mechanics of Penetration, Shockwaves, and High-Strain-Rate Events: Modeling and Experiments

Thursday, November 2, 2:00 PM - 3:45 PM

Session Chairs: Andrew Bowman, William Lawrimore

04-28-01: Modeling and Experiments in Nanomechanics and Nanomaterials

Thursday, November 2, 2:00 PM - 3:45 PM

Session Chairs: Yozo Mikata, Jeffrey Kysar, Kevin Long

04-19-01: Modeling, Simulation, and Design of Multifunctional Materials

Thursday, November 2, 4:00 PM - 5:45 PM

Session Chairs: Ling Liu, Lin Zhang, Jun Li

04-28-02: Modeling and Experiments in Nanomechanics and Nanomaterials

Thursday, November 2, 4:00 PM - 5:45 PM

Session Chairs: Yozo Mikata, Jeffrey Kysar, Kevin Long

04-27-02: Mechanics of Penetration, Shockwaves, and High-Strain-Rate Events: Modeling and Experiments

Thursday, November 2, 4:00 PM - 5:45 PM

Session Chairs: William Lawrimore, Andrew Bowman, Mei Chandler

04-18-02: Bioinspired Materials, Structures and Applications

Thursday, November 2, 4:00 PM - 5:45 PM

Session Chairs: Jinghua Li

04-23-01 Mechanics and Materials of Soft/Flexible/Stretchable Electronics

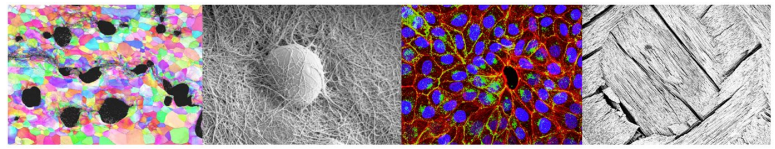
Thursday, November 2, 4:00 PM - 5:45 PM

Session Chairs: Rajib Chowdhury

04-26-02 Integrated Computational Materials Engineering

Thursday, November 2, 4:00 PM - 5:45 PM

Session Chairs: Curt Bronkhorst



MD Technical Committee Meetings during IMECE

For future meetings and to get involved with the technical committees, consider attending the technical committee meetings listed below (all at the Convention Center).

Material Division Technical Committee on Materials for Biomimetic and Medical Applications Meeting	Monday, 3:00 - 4:00 PM	Room 383
Material Division Technical Committee Meeting on Composites and Heterogeneous Materials	Monday, 6:00 - 7:00 PM	Room 383
Materials Division Technical Committee Meeting on Advanced Materials for Energy	Monday, 7:00 PM - 8:00 PM	Room 397
Materials Division Technical Committee Meeting on Electronic Materials	Tuesday, 4:30 - 5:30 PM	Room 384
Materials Division Technical Committee Meeting on Materials Processing	Tuesday, 6:00 - 7:00 PM	Room 390
Material Division Technical Committee on Multifunctional Materials	Tuesday, 7:00 - 9:00 PM	Room 390
Material Division Technical Committee Meeting on Design of Engineering Materials	Wednesday, 6:00 - 7:30 PM	Room 384
Materials Division Joint Executive Committee and Technical Committee Meeting (Open Meeting)	Thursday, 10:30 AM - Noon	Room 388
Materials Division Executive Committee Meeting (Closed Meeting)	Thursday, 2:00 - 3:30 PM	Room 390

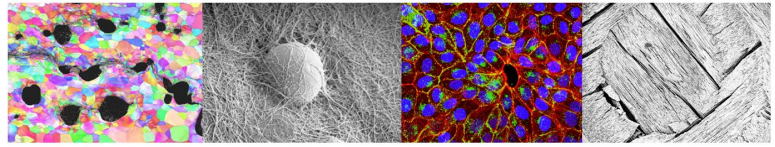
Spotlights on MD Sponsored Journals

ASME Journal of Engineering Materials and Technology (JEMT)

Dr. Abigail Hunter, Los Alamos National Laboratory (LANL), was recently appointed the new Editor-in-Chief of the **ASME Journal of Engineering Materials and Technology (JEMT)**.



The scope of the journal covers a broad spectrum of issues regarding experimental, computational, and theoretical studies of mechanical properties of materials, as well as mechanics of materials issues in metals, polymers, ceramics, composites, biomaterials, and nanostructured materials. The journal’s major objective is to continue to publish research of the highest quality and of lasting significance in areas related to engineering materials, mechanics of materials, and materials technology. The scope is broad, since it encompasses interdisciplinary



research that spans fundamental knowledge, which is related to mechanics of materials, materials science, mathematics, and applied physics, and technological applications, which are related to engineering innovations and applications. The journal will include research articles, technical notes, book reviews, and special issues related to emerging areas. The acceptance rate for the journal is 17% for 2022 and demand for the journal remains strong, with issues already confirmed into 2024. Our impact factor is 1.2. If there are suggestions for special issues, review articles, or editorials, please contact me.

2023 marks the 50th Anniversary of the founding of the ASME JEMT. The journal has been in existence since 1973 and is associated with the Materials Division of ASME. Thus, JEMT is one of the oldest science and engineering journals focused on mechanics of materials and materials science. The previous Editor-in-Chief, Dr. Mohammed Zikry, North Carolina State University, recently published an editorial in JEMT discussing some of our history. Congratulations to ASME JEMT as it celebrates its golden jubilee!

Taking over as the new Editor-in-Chief is an exciting time. It is my honor to serve the research community and work to promote new fundamental scientific and engineering knowledge. I look forward to further enhancing the journal's reputation through publication of ground-breaking, original research on engineering materials and technology. Great thanks go to the previous editors, especially Dr. Mohammed Zikry, associate editors, and ASME staff for their hard work and effort in maintaining and advancing ASME JEMT. As you can also see from our list below for Associate Editors on the website, we have a diverse and internationally recognized board from leading global researchers, as we extend the reach of JEMT to a worldwide audience. The journal is always looking for new Associate Editors who can contribute to the stated mission and aims of the journal.

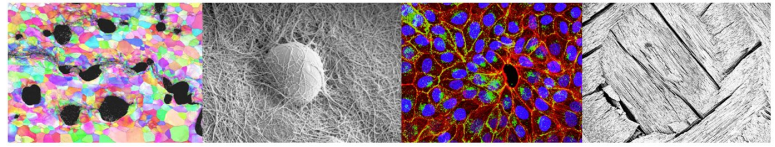
You may visit the JEMT website at:

<http://materialstechnology.asmedigitalcollection.asme.org/journal.aspx>

Editorial Board of ASME Journal of Engineering Materials and Technology (as of 8/2023)

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ASME Journal of Engineering and Science in Medical Diagnostics and Therapy (JESMDT)

Dr. Ahmed Al-Jumaily, Professor of Biomechanical Engineering (Auckland University of Technology, New Zealand) serves as the Editor-in-Chief of the **ASME Journal of Engineering and Science in Medical Diagnostics and Therapy**.



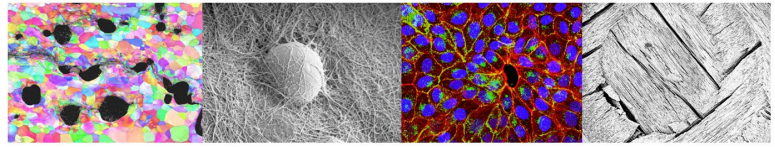
The [journal](#) seeks to bridge the gap between engineers and non-engineers and translate engineering knowledge into clinical applications in order to accelerate biomedical innovation, trial and commercialization. The Journal publishes original research focused on implementation of engineering and science principles in medical diagnostics, imaging, characterization, and therapy. It spans four primary areas where engineering impacts applied biomedicine: biotechnology in pharmaceuticals; clinical applications of biomaterials; biotechnology in clinical systems; and imaging, diagnostics, and therapeutics. We do encourage colleagues from the Materials Division to join the Editorial Board. The Journal has completed six successful years with 6 volumes and 24 issues including six Special Issues. The journal has been cited by several indices, including Scopus and Engineering Index.

The JESMDT website can be found at:

<https://journaltool.asme.org/home/JournalDescriptions.cfm?JournalID=32&Journal=JESMDT>

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Dow, Douglas	Wentworth Institute of Technology
Ganpule, Shailesh	IIT Roorkee



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Zhu, Linda	University of Michigan – Flint

Executive Committee of the Materials Division (2022 – 2023)

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Çağlar Oskay (Vice Chair, Professor, Vanderbilt University, TN, USA)

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Curt Bronkhorst (Technical Program Vice Chair, Professor, University of Wisconsin – Madison, WI, USA)

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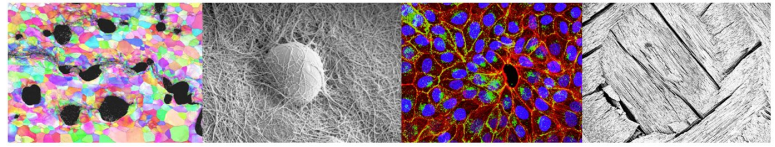
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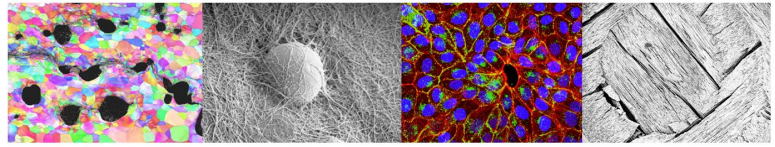
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