

MESSAGE FROM THE TEC SECTOR: BOB STAKENBORGHES, SENIOR VICE PRESIDENT

Hello everyone and welcome to the first ASME Technical and Engineering Communities (TEC) Sector quarterly newsletter. My name is Bob Stakenborghs, and I am the newly elected TEC SVP. Some of you may know me but for those who do not, here is a little background information on me.

I have my BSME from LSU and my MSME from Catholic University in Washington DC. I have devoted my career to commercial nuclear power and have worked in Design Engineering at one time or another in essentially all the US commercial nuclear power fleet and for almost all of the major A&E firms associated with nuclear power.

My ASME career started in 2005 when a good friend of mine invited me to help with a Track at ICONE and I have been part of the Nuclear Engineering Division Executive Committee since then, including my term as past chair. I was presented with my ASME Fellow award by ASME Past President Bob Sims at the 2017 edition of ICONE in Shanghai, China.

I became involved in the TEC Council as a member at large for what was then the Energy Storage and Conversion segment. I transitioned to a member of the Clean Energy Technology Group and then to SVP of TEC this year.

UPCOMING EVENTS



CARD 2023
College Station, TX
February 22 – 24



TEC NEXt 2023
Virtually
March 30 – 31



A&WMA/ASME WIE
Arlington, VA
April 11 – 12



JRC 2023
Baltimore, MD
April 11 – 13



OTC 2023
Houston, TX
May 1 – 4



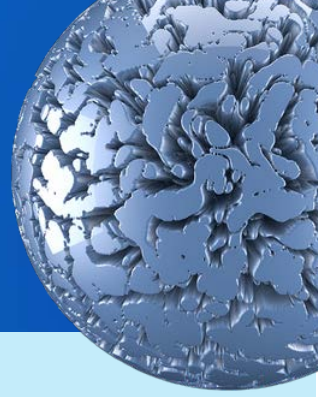
ICONE 30
Kyoto, Japan
May 21 – 26

TEC Sector Council

From top left:

Damian Vogt, Bob Stakenborghs, Tom Lavertu,
Lingnan Lin (ECLIPSE Intern), Dr. Columbia
Mishra and Vicki Risinger





MESSAGE FROM THE TEC SECTOR: BOB STAKENBORGHES, SENIOR VICE PRESIDENT

I envision the next three years as SVP of TEC as a learning experience as we try to navigate through clean energy, climate change, a post-Covid economy, and who knows what else. I certainly can't predict the future. Why else would I start two businesses the month before COVID shut down the world? However, I can say that we will do our best to communicate with the Technology Groups, Divisions, and Research Committees, and take the appropriate actions to improve TEC and ASME and get us to all row in the same direction. In that regard, please do not hesitate to contact us and get involved in Technology Groups, Divisions, and Research Committees.

The members of the TEC Council have all provided brief introductions of themselves and some of the TEC initiatives that they are working on right now. These initiatives include restructuring the conference and division revenue sharing plan, invigorating industry engagement in ASME activities, TEC member recognition improvement, and other new ideas. We plan to use the newsletter to provide updates on all these initiatives and introduce new initiatives that we hope will improve our ASME experience.

One of our first items that we completed, was the TEC Mission and Vision.

We have also completed input and comment to the TEC Operating Guide. The guide was published in December 2022.

As we get the Newsletter format set, we hope to highlight any activities within ASME and specifically Technology Groups, Divisions and Research Committees. If anyone has any information or announcement that they would like to share with everyone, please submit it to us at asmetec@asme.org or Krishna Hernandez at hernandezk@asme.org for the next edition.

Thanks again to everyone for your contribution to TEC and we hope to see everyone in the next year at an ASME event.

*-Bob Stakenborghes
TEC Sector SVP*

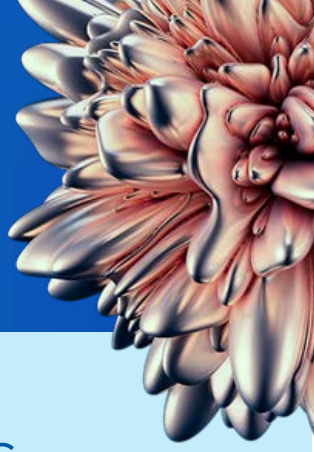
TEC MISSION & VISION

MISSION

To advance engineering, deliver technical content, and provide growth opportunities to our diverse community

VISION

To be the preeminent technical community that delivers solutions to meet evolving global challenges, by empowering our members



MESSAGE FROM: BOB STAKENBORGHES, TEC SECTOR SENIOR VICE PRESIDENT TO GEORGE PAPADOPOULOS, OUTGOING SENIOR VICE PRESIDENT

I have found that too often we forget to thank those outgoing leaders who have moved on to other parts of ASME or their life and so I would like to take this opportunity on the first issue of the TEC Newsletter to express my thanks, and that of the entire TEC Council and staff, for all the efforts and arduous work of the outgoing TEC Council SVP, George Papadopoulos. George served as TEC Council SVP for three years and through his leadership and guidance the council took shape and the overall goals and aspirations for the collective membership of TEC were molded. I am very thankful for the few months that I was able to shadow George in his role as SVP so that I could better understand how the TEC Council interacts with the other ASME Sectors and with the Divisions and Research Committees.

In the end, its leaders like George and those that came before him that have helped shape the TEC Sector, which in turn helps ASME stay at the forefront of excellence in the community of ASME and the bigger community of engineering and technology. Thanks again George and good luck in your future endeavors and we hope to see you at future ASME meetings.

*-Bob Stakenborghes
TEC Sector SVP*





MESSAGES FROM: VICKI RISINGER, CHAIR, ASSEMBLY OF TECHNOLOGY GROUPS AND VICE CHAIR, TEC COUNCIL; TOM LAVERTU, CHAIR, ASSEMBLY OF DIVISIONS AND RESEARCH COMMITTEES, AND VICE CHAIR, TEC COUNCIL

I'm Vicki Risinger, Vice Chair of the TEC Council and Chair of the Assembly of Technology Groups.

My focus is on transcending the ASME vision, mission and strategic priorities to improve unity and camaraderie across TEC. I liaise with the ASME Strategy Office to facilitate continuous partnership and feedback with TEC initiatives. I'm passionate about driving TEC Council and Technology Groups ideation, formation, and strategic planning workshops to improve clarity around success factors, strategic priorities, and key performance indicators. I strive to broaden visibility of TEC opportunities and programs, cross-sector collaboration, membership engagement, and ensure ASME's strategic technologies are represented. I'm looking forward to developing and deploying the TEC future road map to expand the TEC portfolio, position for leading edge deployments, fulfill the volunteer leadership pipeline with the next generation of diverse engineers, and ultimately create an evolving platform for future TEC success.

*-Vicki Risinger
TEC Sector Vice Chair*

My name is Tom Lavertu and I am a Vice Chair of the TEC Council and Chair of the Assembly of Divisions and Research Committees.

It is an honor to serve on the TEC Council and work with the members of the TEC Sector towards achieving our vision. As a Vice Chair, I am striving to be engaged with the Divisions and Research Committees to improve communication and have an open dialogue on key issues. In this manner, we can work together to develop solutions such that our Divisions and Research Committees are successful, and the TEC is a leader in the engineering community. I look forward to continuing to collaborate with the TEC Council and work with all Divisions and Research Committees.

*-Tom Lavertu
TEC Sector Vice Chair*





MESSAGES FROM THE TEC SECTOR MEMBERS-AT-LARGE: DR. COLUMBIA MISHRA AND DR. DAMIAN VOGT

Hello Everyone! My name is Dr. Columbia Mishra and I am a Member-at-large with the TEC Council.

For the past 16 years I have volunteered in various capacities and held multiple leadership roles within ASME's Heat Transfer Division and Student & Early Career Development Council (SECD) including serving as Technical Program Chair for an ASME Conference.

When not serving on the TEC Council, I am a Senior Staff Systems Architecture Engineer at Maxar Technologies Inc. developing the next generation of spacecraft for a range of missions.

As a part of TEC Council, I am determined to create an inclusive environment that fosters innovation and promotes long term strategic thinking amongst membership. In the short term, I am focusing on two areas: i) Member recognition, and ii) Interdisciplinary Conferences. My first focus area is to serve as the champion for member recognition and I am creating a member recognition committee. I strongly believe that the heart of an organization is its people. We need to create an environment where we recognize our volunteers' efforts and provide adequate growth opportunities. Secondly, I am collaborating with the interdisciplinary conference leadership to provide the best experience for our participants.

I believe in transparency, open communication, and collaboration. I am practicing these values through collaborating with other ASME sectors. Together we can foster an inclusive environment where the mechanical engineering community can ideate, collaborate, and jump start emerging technologies to address pressing problems facing humanity.

*-Columbia Mishra
TEC Sector Member-at-Large*

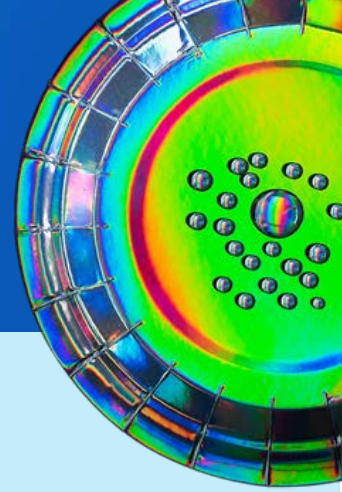
Hello Everyone! My name is Damian Vogt and I am a Member-at-large within the TEC Council.

Some of you may know me from my previous roles in the ASME IGTI Division, where I served in several leadership roles, among others as the Chair of the IGTI Executive Committee, as a Turbo Expo Conference Chair and as Technical Committee Chair. When not serving on the TEC Council, I am a Professor of Thermal Turbomachinery and a Director of an academic institute at the University of Stuttgart in Germany. I am passionate about what I do and who I get to work with – be it in my professional activities or during my volunteer services.

I had the chance to grow within IGTI from a regular conference participant over various roles such as reviewer, session organizer, and so on. These are rewarding experiences that I am very grateful for, and I hope that other ASME members get inspired to engage in such roles as well. Having served on virtually all levels within a technical division, provides me with a detailed understanding of what I am currently focusing on within the TEC Council: conference and division revenue sharing. The question here lies on how revenue (and loss) is best shared among a division and ASME / TEC such that we can keep on operating in the long run.

At the end of the day, it is about providing an economically sustainable environment that allows the ASME engineering community – in collaboration with ASME staff– to make the TEC mission and vision become reality!

*-Damian Vogt
TEC Sector Member-at-Large*



MESSAGE FROM THE TEC SECTOR ECLIPSE INTERN: LINGNAN LIN

My name is Lingnan Lin and I'm the ASME ECLIPSE Intern at TEC Sector for 2022-2023, working with TEC Council members to study key issues relevant to the TEC mission.

My primary project is to study industry engagement in ASME conferences. I'm planning to review the industry engagement in ASME conferences in recent years and interview people from both academia and industry. I'm hoping to collaborate with leaders and members across TEC technology groups, technical divisions, and research committees to develop strategies to increase the industry engagement and improve ASME conference portfolio. As a research engineer, I believe strengthening the tie between industry and academia is crucial to advance science and engineering and is beneficial to the growth of individual engineers personally and professionally.

*- Lingnan Lin
TEC Sector ECLIPSE Intern*





ASME 2022 DEDICATED SERVICE AWARD RECIPIENTS

ASME is grateful to the nominators for providing 10 Dedicated Service Award nominees in 2022. We appreciate all our volunteers who work to further the ASME Mission and Vision. Congratulations to the 2022 Dedicated Service Award Recipients:

BOSE BABU

BAHRAM RAVANI

DAVID G. BOGARD

KYLE RICHTER

TIMOTHY JACOBS

BOB SOMMERLAD

NESRIN OZALP

CHRISTIAN SATTLER

ALLEN PERKINS II

JANET MARIE SATER



UPCOMING TEC SECTOR AWARDS

**RICHARD J GOLDSTEIN ENERGY
LECTURE AWARD**

February 1, 2023

persaudl@asme.org

JAMES HARRY POTTER GOLD MEDAL

February 1, 2023

persaudl@asme.org

UPCOMING AWARDS

It is important to recognize colleagues for an ASME award to highlight their excellent work and dedication to the society and the mechanical engineering industry at large. Nominate someone today!

**CALVIN W. RICE LECTURE
AWARD**

February 1, 2023

asmetec@asme.org

**FELLOWS
ROBERT HENRY THURSTON
LECTURE AWARD**

February 15, 2023

persaudl@asme.org



TEC TALKS

A monthly webinar series that focuses on the varied disciplines of the Technical Divisions, Technology Groups and Research Committees. For more information, registration (free to all ASME members), and access to past webinar recordings:

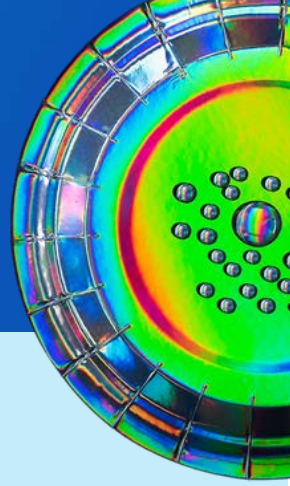
<https://www.asme.org/membership/tec-talks>

UPCOMING TALKS:

*Short-term Wind Forecasting for Efficient
Grid Integration*

February 2023

To read more about this talk, [click here!](#)



JOIN THE TEC SECTOR MEMBER RECOGNITION COMMITTEE

To create an inclusive environment by celebrating our volunteers and creating a culture of inclusion, diversity & equity for a positive experience within the TEC community

We are looking for volunteers looking to make an impact within the TEC community by instilling a positive culture and inclusive environment. We welcome all perspectives, backgrounds and experience levels.

The purpose of this committee will be to demonstrate the value of our TEC Sector members, improve and streamline the nomination process and create awareness to the various awards that are available on both the society and unit level.

If this sounds like you or someone you know, please submit/share the form below:

<https://airtable.com/shraq6JamdbDDERum>

For more information please contact columbia.mishra@utexas.edu and hernandezk@asme.org.

ASME Mission:

Advancing engineering for the benefit of humanity

ASME Vision:

The premier resource for the engineering community globally

TEC Mission:

To advance engineering, deliver technical content, and provide growth opportunities to our diverse community

TEC Vision:

To be the preeminent technical community that delivers solutions to meet evolving global challenges, by empowering our members



CONFERENCE SPOTLIGHT

Conference for Advanced Reactor Deployment (CARD) 2023 at College Station, Texas!

The time is now to develop newer, smaller, easy to site and construct nuclear power plants and let this high availability source of CO2 free power help us solve our climate dilemma. This information source business-to-business conference will provide the opportunity for executive leaders in the SMMR nuclear technology industries to network with utility, regulatory, and financial organizations, to exchange ideas, to share lessons learned, and to establish strategic relationships. CARD program includes:

- Modularization and Advanced Manufacturing
- Advanced Reactor Research
- Code Development
- Digital Twins
- Reactor Technologies
- Regulatory Modernization

By attending, you will get a better understanding of the design nuances that are being used to ensure safe operation under all conditions and what exactly makes these reactors a fascinating new twist on a century old technology. Meet leaders across the entire technology chain and take an active role in moving this advanced source of 24 hour a day, 365 days a year energy source from concept to reality.

Read more about CARD, by [clicking here!](#)



CARD 2023

Why should you attend?

- *Networking with experts in design, materials and fabrication of new reactors*
- *Gain knowledge in requirements that are unique to small, mini, and micro reactors*
- *Build Relationships*
- *Position knowledge in requirements that are unique to small, mini and micro reactors*

[Register today!](#)

ASME

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[TEC Sector Page](#)