

ROSEN Group and ASME Foundation Announce Winners of the 2026 Hermann Rosen Award for Pipeline Innovation

Canadian research team recognized for advancing climate- resilient pipeline integrity assessment

Stans, Switzerland / New York, USA. September 24, 2026 – During the ASME Award Ceremony at the International Pipeline Conference & Expo (IPCE) on September 22 in Calgary, Canada, ROSEN Group and the ASME Foundation announced Dr. Kshama Roy, Subashish Kundu Sunny and Abdullah Muhammad Asif as the winners of the 2026 Hermann Rosen Award for Pipeline Innovation for their project, "PIPEGEO: An Integrated Pipeline Integrity Assessment Platform for Evolving Ground Deformation."

Their project addresses one of the growing challenges facing pipeline infrastructure worldwide: the impact of climate-driven geohazards and evolving ground deformation. By combining satellite-based monitoring, engineering mechanics, and advanced analytical tools, PIPEGEO provides a scalable framework that enables operators to better understand, assess, and manage geohazard-related risks before they threaten pipeline integrity.

Selected from a competitive international applicant pool, the project stood out for its combination of scientific rigor, engineering excellence, practical applicability, and potential industry impact. The winning team emerged through a multi-stage evaluation process involving industry experts from ROSEN and the ASME Pipeline Systems Division.

Innovation With Real-World Impact

The PIPEGEO project was recognized for its innovative approach to addressing geohazard-related integrity challenges. By combining advanced engineering expertise with practical application, the team developed a solution that enables operators to better understand geohazards and support more informed integrity management decisions. Their achievement reflects the innovative thinking, technical rigor, and commitment to industry advancement that the Hermann Rosen Award seeks to recognize.

Erik Cornelissen, Chief Customer Officer of ROSEN Group, headquartered in Stans, Switzerland, highlighted the importance of aligning innovation with customer and market needs: "True innovation creates value when it addresses customer needs and emerging market challenges. As our industry faces increasingly complex integrity and geohazard risks, solutions like PIPEGEO help pipeline operators manage their assets effectively. It is an excellent example of innovation driven by market needs and focused on delivering value to the industry."

"The quality of this year's submissions demonstrates the remarkable talent and creativity emerging across the global engineering community," said Stephanie Viola, Executive Director of the ASME Foundation and Managing Director of ASME Philanthropy and Programs. "The finalists demonstrated not only exceptional technical capabilities, but also the curiosity and determination needed to help shape the future of energy infrastructure. The PIPEGEO team's achievement highlights the impact that passionate and forward-thinking engineers can have on the pipeline industry."

Honoring Hermann Rosen's Legacy

The Hermann Rosen Award for Pipeline Innovation was established in 2025 to recognize and support students, researchers, start-up founders, and early-career professionals whose ideas advance pipeline safety, integrity, and performance. Presented annually by the ASME Foundation and endowed by the ROSEN Group, the award includes a USD 25,000 prize to support the further development of the winning innovation.

The award reflects the principles that have defined ROSEN since its beginnings and honors its founder, Hermann Rosen: technical excellence, curiosity, and the courage to challenge established approaches. Hermann Rosen's pioneering work continues to influence the industry and inspire innovators around the world.

By recognizing emerging talent and providing a platform for promising ideas, the award helps connect innovation with real-world industry challenges while supporting the future of pipeline and energy transportation. While the award recognizes a single winning project, it also celebrates the ambition, creativity, and technical excellence demonstrated by all participants whose ideas contribute to the future of pipeline and energy transportation.

Press image



Caption: Andreas Opfermann (CEO, ROSEN), Tom Costabile (Executive Director/CEO, ASME) and Josh Wilson (2026 IPCE Organizing Committee, Honors and Recognition) with Dr. Kshama Roy and Subashish Kundu Sunny, winners of the 2026 Hermann Rosen Award for Pipeline Innovation

Foto: Maven Media Group

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Caption: Dr. Kshama Roy accepting the 2026 Hermann Rosen Award for Pipeline Innovation in the name of the entire PIPEGEO project team.

Foto: Maven Media Group

About the ROSEN Group

The ROSEN Group is a leading global provider of data-enabled cutting-edge solutions and services in all areas of the integrity process chain. Since its beginnings as a one-man business in 1981, ROSEN has grown rapidly and is today a technology group that operates in more than 110 countries with over 4,000 highly qualified employees.

ROSEN's products and services:

- Inspection of critical industrial assets to ensure asset availability, reliable operations of the highest standards and effectiveness
- Customized engineering consultancy providing efficient asset integrity management
- Insights from unique and extensive data sets, combined with its advanced machine learning capabilities
- Production and supply of customized novel products and systems
- Market-driven, topical state-of-the-art research and development providing "added-value" products and services

For more information about the ROSEN Group, go to www.rosen-group.com

About the Hermann Rosen Award for Pipeline Innovation

The Hermann Rosen Award for Pipeline Innovation was established in 2025 to recognize and empower emerging engineering talent whose ideas have the potential to transform the pipeline industry. Endowed by the ROSEN Group and organized by the ASME Foundation, the award honors the legacy of ROSEN's founder Hermann Rosen and his lifelong commitment to innovation, technology, and the advancement of engineering for a sustainable future.

About ASME

ASME helps the global engineering community develop solutions to real world challenges. Founded in 1880 as the American Society of Mechanical Engineers, ASME is a not-for-profit professional organization that enables collaboration, knowledge sharing, and skill development across all engineering disciplines, while promoting the vital role of the engineer in society. ASME codes and standards, publications, conferences, continuing education, and professional development programs provide a foundation for advancing technical knowledge and a safer world. In 2020, ASME formed the International Society of Interdisciplinary Engineers (ISIE) II & III LLC, a new for-profit subsidiary to house business ventures that will bring new and innovative products, services, and technologies to the engineering community. For more information, visit www.asme.org.

About the ASME Foundation

The ASME Foundation is the philanthropic arm of the American Society of Mechanical Engineers, supporting an array of programs in three core pillars: engineering education, career engagement, and global development. With the goal of empowering tomorrow's technical workforce, the ASME Foundation advances equitable access both to professional opportunities and to engineering innovations that improve quality of life. For more information, visit www.asmefoundation.org.

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