

Marcos admin pushes AI, innovation to strengthen Philippine metal, engineering industries

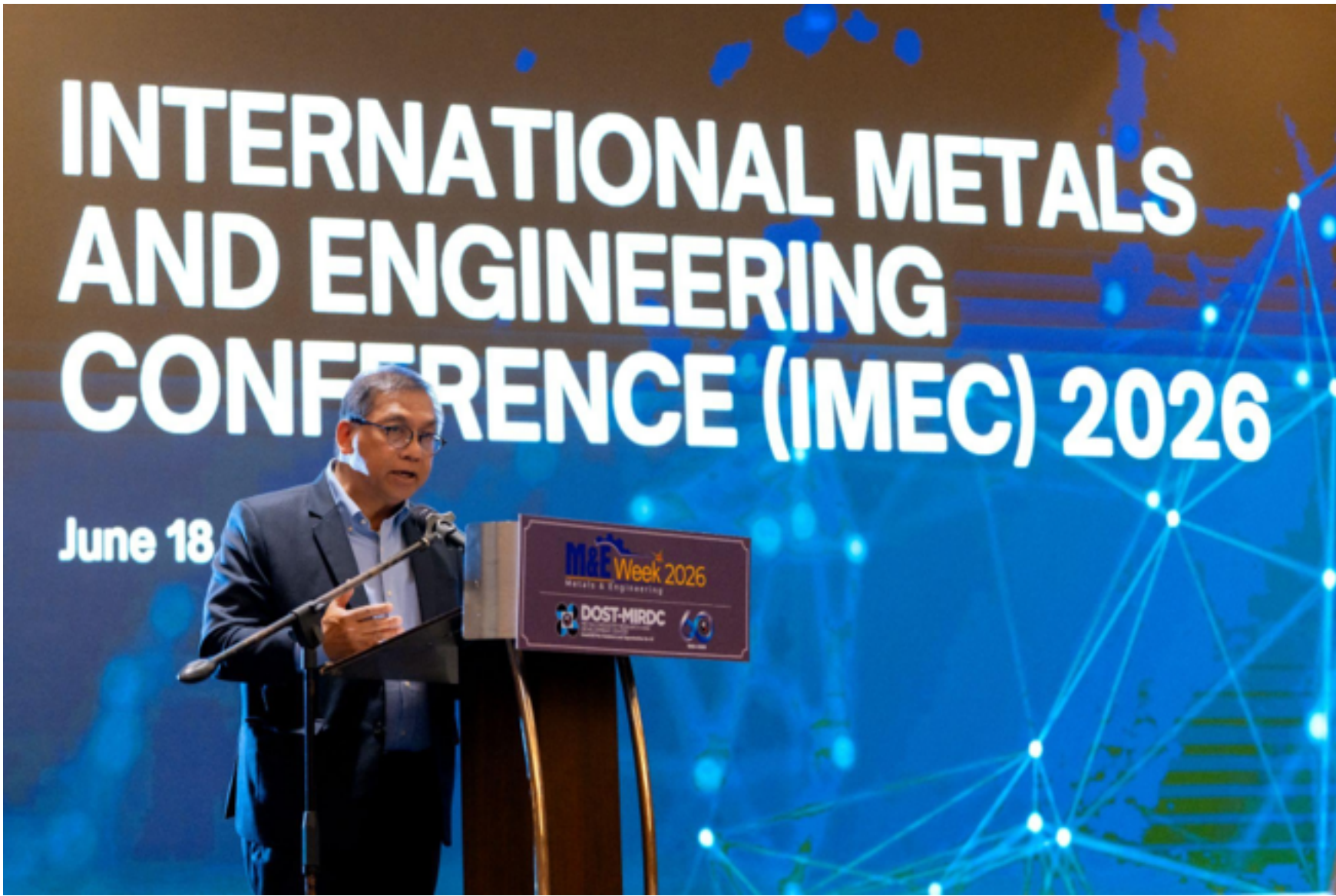
By Jerome Carlo Paunan June 24, 2026



MANILA (PIA) — The Marcos Jr. administration, through the Department of Science and Technology (DOST), highlighted the role of artificial intelligence, automation and other emerging technologies in strengthening the country’s metals and engineering industries during the International Metals and Engineering Conference (IMEC) 2026 held June 18 in Muntinlupa City.

Organized by the DOST-Metals Industry Research and Development Center (DOST-MIRDC), the conference brought together representatives from government, industry, academe and research institutions to discuss technologies that can help build resilient, sustainable and future-ready industries.

Carrying the theme “Beyond Digital Transformation: Convergent Technologies for Intelligent and Sustainable Metals and Engineering Industries,” the conference also marked the 60th founding anniversary of DOST-MIRDC.



DOST Secretary Renato U. Solidum Jr. said the challenge for industries is not only adopting new technologies but also fostering collaboration among experts and institutions to support national development.

He cited locally developed technologies, including the iPOND system for automated shrimp pond monitoring and control, as well as the BUHAWI and COBRA automated defense systems, as examples of Filipino innovation addressing national needs.

Solidum encouraged engineers, researchers and innovators to continue developing technologies that contribute to the country’s industrial growth and technological capabilities.

DOST-MIRDC Executive Director Robert O. Dizon said advances in artificial intelligence, automation, robotics, additive manufacturing, smart materials, data analytics and green technologies are increasingly shaping the future of manufacturing and engineering.

He noted that the value of digital transformation lies in how technologies are applied to strengthen industries, improve resilience and support sustainable development.



The conference featured international experts who shared insights on artificial intelligence, machine learning, the Internet of Things and smart manufacturing systems.

Among the speakers were Dr. Steve Chan of the United States, Prof. Dong-Seong Kim of South Korea, Prof. Arun Kumar Sangaiah of Taiwan, Prof. Artem Lenskiy of Australia and Dr. Jimson Ngeo of Meta AI in the United States.

Local researchers also presented studies covering conventional manufacturing, additive manufacturing, Industry 4.0 applications, engineering innovations, robotics and defense-related technologies.

The conference recognized outstanding research papers and presentations, including a study by researchers from the University of the Philippines Los Baños that examined simulation-based approaches to improving garment manufacturing operations. The research received the Best Paper Award of IMEC 2026.

Other award-winning projects included innovations in metal casting, bamboo manufacturing, onion quality sensing and artificial intelligence-assisted fitness technologies.

DOST-MIRDC said the conference supports efforts to advance science, technology and innovation in line with the country’s goals of promoting industrial competitiveness, developing local technologies and strengthening innovation-driven growth.

As one of DOST’s attached agencies, DOST-MIRDC provides research, technical services and innovation programs aimed at supporting industry development, wealth creation, sustainability and improved quality of life for Filipinos. (JCO/PIA-NCR)



Tags:

In other News



PRO MIMAROPA chief urges Marinduque police to intensify community watch
6th October 2026



Samar vet urges livestock raisers to brace for heat, water shortage due to El Niño
6th October 2026



Agusan Sur association gains livelihood support from DSWD
6th October 2026



DA, DPWH enter agreement on farm-to-market road projects in Davao Region
6th October 2026



DSWD places local needs at center of new resilience project
6th October 2026



Short film festival stages cultural, colorful stories of Agusan Sur town
6th October 2026



Surigao Sur group earns 4th consecutive SSS award
6th October 2026



PH Navy's newest warship joins maritime exercise in Davao Gulf
6th October 2026

Philippine Information Agency

The Philippine Information Agency is the grassroots communications arm of the Government of the Republic of the Philippines. It aims to provide for the free flow of accurate, timely, and relevant information to assist Filipinos in decision making and help them identify opportunities to improve their quality of life. The PIA's information network is present in the country's 16 regions with its 78 provincial information centers.



Government Links

The President
Presidential Communications Office
APO Production Unit, Inc.
Bureau of Communications Services
Freedom of Information
People's Television Network, Inc.
Philippine Broadcasting Services
Philippine News Agency
Presidential Broadcast Staff - Radio Television Malacañang
Office of the Vice President
Supreme Court
Senate of the Philippines
House of Representatives

Follow Us

Facebook
Twitter
Instagram
YouTube

PHONE

+63 2 8 926 5129

EMAIL

info@pia.gov.ph



REPUBLIC OF THE PHILIPPINES

All content is in the public domain unless otherwise stated.