



INSTRUMENTATION AND CONTROL ENGINEER



THE 2025 RECAP

ORGANIZATION**NATIONAL
CONVENTION 2025****GOLF
TOURNAMENT****LEADERSHIP****SATURDAY
SEMINARS****WORLDSKILLS
ASEAN MANILA****OATH TAKING****CERTIFICATION
REVIEW & EXAM****STUDENT
CHAPTER**



MESSAGE FROM THE EDITORS!

Welcome to the first digital edition of ICE, the official magazine of the Philippine Instrumentation and Control Society (PICS).

Following a long hiatus, ICE returns as a renewed platform for technical knowledge, professional insights, news, and developments in instrumentation, automation, and control. This 2025 edition brings together the activities, achievements, people, and technologies that continue to shape the PICS community.

We hope ICE will inform, connect, and inspire engineers, technicians, educators, students, industry partners, and the next generation of professionals.

Thank you for being part of this renewed chapter of ICE.

- EDITOR-IN-CHIEFJonathan Calderon
- CONTRIBUTORSJohn Kristoffer Javarez
Dennis Porlaje
May Ann Codera
- GRAPHIC ARTISTJed Porlaje

WHAT IS ICE?

ICE Magazine is the official publication of the Philippine Instrumentation and Control Society, Inc. (PICS), providing a platform for the Society's accomplishments, milestones, initiatives, and the exchange of technical knowledge. It connects professionals, industry leaders, educators, students, and partners through relevant developments in instrumentation, automation, and control.

More than an organizational publication, ICE reflects the growth of the profession and the collaborative efforts of the PICS community to advance technical competence, professional practice, innovation, and lifelong learning.

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YOUR PROFESSION. YOUR COMMUNITY.

BECOME A PICS MEMBER

Connect with people who share your passion for
instrumentation, control, and automation.



CONNECT. CONTRIBUTE. GROW.

Engineers, technicians, educators, and industry professionals:
bring your experience, ideas, and enthusiasm to the PICS community.



START YOUR MEMBERSHIP APPLICATION

Scan the QR code or open the Google Form:

<https://forms.gle/Q3Qvp6MCUnSV9Wgz6>

Take the first step. Apply today.

THE ORGANIZATION

WHAT IS PICS?

The Philippine Instrumentation & Control Society (PICS) is a non-profit, non-stock organization of professionals in the field of Instrumentation & Control. Organized on February 25, 1977, PICS brings together engineers, technicians, educators, students, companies, institutions, and other stakeholders committed to advancing the profession.

PICS initiated its Instrumentation Engineering and Technician Certification Program in 1979. The Society's certification passer registry begins with the 1980 batch and continues through succeeding generations of certified professionals.

VISION

To be the prime mover of Instrumentation & Control technology for the Philippine industry with world-class professionals, committed to the highest standards of excellence and ethics, and to contribute to the social and economic upliftment and well-being of the Philippines.

MISSION

To unite all individuals and organizations involved in the field of Instrumentation & Control to fulfill the needs of industry and technology.

To promote the advancement of Instrumentation & Control technology and profession through seminars, training, and other activities, in order to equip and motivate the members in providing high-standard engineering solutions and services.



WHY JOIN **PICS**

THE PICS OBJECTIVES

- 1 To unite professionals, scientists, technologists, and students interested in Instrumentation and Control.
- 2 To promote, share, and exchange technical information through lectures, seminars, national and international conventions, exhibitions, and technical publications.
- 3 To develop a pool of technical experts who can assist Philippine industries in matters involving industrial instrumentation and control equipment.
- 4 To participate in the development of standards and practices for testing, calibration, and Instrumentation and Control applications.
- 5 To encourage the use of local materials and technology in the development and manufacture of Instrumentation and Control equipment.
- 6 To promote the rationalization of the instrumentation market to improve equipment utilization and simplify maintenance and repair.
- 7 To advance Instrumentation and Control through scientific inquiry, study, research, and its application to engineering, technology, and human needs.
- 8 To support deserving students through scholarships and effective on-the-job training opportunities in Instrumentation and Control.
- 9 To assist educational institutions and government agencies in developing engineering curricula related to Instrumentation and Control.
- 10 To work with government agencies and non-government organizations for the advancement of Instrumentation and Control as a profession.



MEMBERSHIP QUALIFICATIONS

1. The membership of this Society shall consist of Company, Individual, Student, and Institutional.

- **Company Member.** Any firm or organization duly registered under existing laws of the Philippines interested in pursuing the objectives of the Society.
- **Individual Member.** Any individual of good moral character who is pursuing and benefiting from the objectives of the Society.
- **Student Member.** Any individual of good moral character who is enrolled as an undergraduate student in any technical or higher educational institution and is interested in pursuing the objectives of the Society.
- **Institutional Member.** Any institution, agency, and non-profit private organization, office or society, interested in promoting the objectives of the Society may be eligible for institutional membership. Election to Institutional Membership shall be by three-fourths vote of the Board of Directors acting upon the recommendation of the Membership Committee.
- **Honorary Member.** Any individual whose services in connection with the objectives of the Society make him prominent among his colleagues. Election to Honorary Membership shall be three-fourths vote of the Board of Directors acting upon the recommendation of the Membership Committee.

2. Any individual, firm or organization may apply for a class of membership in accordance with the qualifications stated. Application shall be made in writing to the chairperson of the Membership Committee. When the application is approved in such a manner as the Board of Directors may determine, the applicant shall be enrolled in the proper classification.

3. Membership registration shall be submitted in writing to the Secretary.

4. Any member of the Society, upon the recommendation of the Membership Committee, may be suspended or expelled from membership. He will be notified in writing at least 30 days before the Board Meeting in which the suspension or expulsion is to be considered.

MEMBERSHIP BENEFITS

1. The privilege to actively participate and be one with the sole voice of the country's professionals, scientists, engineers, technicians, and technologies involved in instrumentation and controls.
 2. Free subscription to Instrumentation and Control Engineer, the official quarterly magazine of PICS.
 3. Opportunity to participate in any PICS sponsored technical seminar, training, field trip, symposium and conference on instrumentation and control at discounted rates, as well as earn Continuing Professional Education units.
 4. The privilege to attend free technical seminars and product demos.
 5. Participation on regional chapters where members meet to discuss technical and professional issues and concerns.
 6. The privilege to qualify as a certified instrument engineer and technician through examinations.
 7. The right to vote and be voted to any given office in PICS in accordance with its constitutions and by-laws.
- In addition, corporate and institutional members are entitled to:
8. Special 10% discount in advertising rates in PICS quarterly magazine - Instrumentation and Control Engineer (ICE).
 9. Automatic membership of ten (10) of your staff, engineers and technicians.
 10. In-house training and consultancy services at discounted rates.
 11. Ten percent additional discount on the training courses of PICS.





DR. JAIDO S. ZARCENO, ICE, ECT
President, PICS
Dean, College of Engineering Technology
University of Makati

MESSAGE FROM THE **PRESIDENT**

As the Philippine Instrumentation and Control Society (PICS) marks another milestone year, I am filled with pride and gratitude at the remarkable accomplishments of our organization over the past year. This milestone is a testament to the dedication, expertise, and camaraderie of our members, and it is with great pleasure that we mark this occasion with the publication of our ICE Magazine. Congratulations to the editorial team and everyone involved in bringing this magazine to life—a valuable platform that showcases the achievements, knowledge, and innovations of our society.

The past year was filled with dynamic activities that strengthened both the professional and social bonds within our community:

- **Golf Tournament** – A perfect blend of friendly competition and networking, bringing together engineers, technicians, and industry partners in a relaxed setting.
- **Annual Convention and Exhibits** – Our convention provided a platform for knowledge sharing, exposure to the latest technologies, and collaboration across the instrumentation and control industry.
- **Technical Seminars** – A series of seminars that enhanced our members' technical expertise and kept us abreast of cutting-edge developments.
- **Certification Exams for Engineers and Technicians** – We successfully conducted certification programs that validated the skills and competencies of our professionals, raising industry standards.
- **Student Quiz Bowl** – An inspiring event for future instrumentation and control engineers, promoting academic excellence and sparking curiosity among students.

These accomplishments would not have been possible without the tireless dedication and hard work of our Board of Directors, whose leadership, commitment, and vision have guided our society to continued success.

Their efforts ensure that PICS remains a vibrant, dynamic, and forward-looking organization, always advancing the standards of instrumentation and control engineering in the Philippines. As we look forward to another year of progress, let us continue to uphold our mission of excellence, lifelong learning, and ethical practice. Together, we will build upon these successes and embrace new opportunities to grow, innovate, and inspire. Thank you to all members, volunteers, sponsors, and partners for your unwavering support and dedication. May this milestone serve as both a celebration of our achievements and a springboard for even greater progress ahead.

Warm regards,

Dr. Jaido S. Zarceno

PICS LEADERSHIP 2025

LEADERSHIP THROUGH SERVICE

The 2025 PICS Board of Directors brought together professionals from industry, academe, engineering services, and technical education. Their collective leadership guided the Society's programs, governance, certification activities, and professional engagement.

Their experience spans instrumentation, automation, process control, systems integration, calibration, research, education, entrepreneurship, and organizational leadership.

This section recognizes the people who served PICS in 2025. Each profile highlights the professional experience, institutional role, and service that contributed to the Society's continuing development.

Working as one Board, they strengthened connections among engineers, technicians, educators, students, institutions, and industry partners.

LEADERSHIP IN PRACTICE

PICS leadership is rooted in technical competence, professional integrity, and voluntary service. The Board translates these principles into programs that support members and strengthen instrumentation and control practice.

Together, they help connect established practitioners with students and emerging professionals while promoting lifelong learning and responsible engineering practice.

Board members contribute experience from engineering operations, systems integration, education, research, certification, calibration, and organizational management.

Let us meet...



THE 2025 BOARD OF DIRECTORS



DR. JAIDO S. ZARCENO

PICS PRESIDENT

Dr. Jaido S. Zarceno is an academic leader, engineer, and TVET expert with extensive experience in engineering education, industrial automation, and instrumentation. He currently serves as Dean of the College of Engineering and Technology, University of Makati and President of the Philippine Instrumentation and Control Society since 2020. He holds a Doctorate in Leadership–Education, an MA in Innovative Technology Education, and academically completed his MS in Electrical Engineering major in Instrumentation and Control. His industry experience includes working as consultant and project-based engineer in Industrial Automation Systems for pharmaceutical, semiconductor and building management, providing him with practical expertise that complements his academic and technical leadership. He has served as TESDA Consultant and Technical Expert, contributing to the development of Training Regulations, Competency Standards, Competency Assessment Tools, and Competency-Based Curricula for Instrumentation and Control, Industrial Automation and Semiconductor-Electronics Manufacturing. He is a Certified Instrumentation and Control Engineer, Registered Electronics Technician, and TESDA NTTC-certified trainer in Instrumentation and Control, Mechatronics, and Electrical Installation and Maintenance. His professional engagements include serving as ALCU-COA accreditor, Rotary Club President, researcher, competition judge, technical speaker, and coach in various national academic and technical competitions. His international exposure includes participation as a Philippine representative-scholar at Nanyang Technological University in Singapore, complementing his continuing advocacy for innovation, industry-responsive education, and workforce development.

ENGR. DENNIS MASULA

VICE-PRESIDENT, EXTERNAL

Engr. Dennis M. Masula is a Certified Instrument Engineer with more than 22 years of experience in instrumentation and process control, covering engineering design, automation, commissioning, testing, and technical training. Since 2002, he has served as Manager for Automation & Instrumentation Engineering and has developed expertise in PLC, DCS, SCADA, and integrated industrial systems through extensive local and international training. He is also a Program Management Consultant and Resource Person for UP-ISSI, PICS, and IIEE. Within PICS, he serves as a Board Member and Vice President for External Affairs and is also a member of the Climate Change Task Force.



ENGR. TED PUNZALAN

VICE-PRESIDENT INTERNAL

Teodoro Jose D. Punzalan is Director of Metrologyx Training and Assessment Center, Inc., Engineering Assistant Vice-President at Fortec Integrated Systems, Inc., and PICS Vice President for Internal Affairs. His career spans technical training, project management, and applications engineering in instrumentation and control. He has served as a TESDA Regional Lead Trainer-NCR and participated in Yokogawa's Integrated Human Resource Development Program. His recognitions include the Yokogawa Vigilance Award – Doing It 150% and the Project of the Year Award – Ibn Zahr.



ENGR. DENNIS PORLAJE

NATIONAL SECRETARY

Engr. Dennis C. Porlaje serves as National Secretary and a member of the Board of Directors of the Philippine Instrumentation and Control Society (PICS). An instrumentation, control, automation, and mechatronics professional and educator, he is a PICS Certified Instrumentation and Control Technician (CICT-0170) and Certified Instrumentation and Control Engineer (CICE-250), placing Top 2 in both certification examinations in 1998 and 1999, respectively. He has extensive experience in technical education, commissioning, calibration, installation, maintenance, and technical services, including approximately 15 years as an educator in Process Control and Industrial Mechatronics. He has also held technical and management positions in industry and currently serves as Chief Executive Officer and Board Member of Strategic Peoples Research Inc.



ENGR. JOHN MICHAEL ALIPIO

EXECUTIVE SECRETARY

Engr. John Michael P. Alipio is a Chief Operating Officer of Automata Analytica Engineering Services and serves as PICS National Executive Secretary. He holds a Bachelor of Science in Instrumentation and Control Engineering and founded AAES in 2021 as a systems integration and telecommunications company. His professional work combines engineering, entrepreneurship, business management, and university-level instruction. He continues to contribute to the engineering community through organizational leadership and systems-integration initiatives.





ENGR. ORLANDO ECHALUSE

TREASURER

Orlando “Orly” Echaluse is a Registered Mechanical Engineer, Certified Instrumentation and Control Engineer, and an experienced engineering educator with over 40 years of teaching and professional experience. He earned his Master of Engineering from the University of Santo Tomas. Currently, he is an Associate Professor V at Rizal Technological University (RTU) where he has served since November 1984 and held key administrative positions including Chairman of the Mechanical Engineering Department, Chairman of the Instrumentation and Control Engineering Department, and Dean of the College and Engineering, Architecture, Technology (CEAT). He has undergone international training in Germany, Canada, and Singapore specializing in instrumentation and process control, pneumatics, electro-pneumatics, hydraulics, and CNC technologies. He served PICS as Treasurer and a member of the Board of Directors for the last 15 years.

ENGR. JONATHAN CALDERON

BOARD MEMBER

Engr. Jonathan De Guzman Calderon is the Head of Plant Operations at Mead Johnson Nutrition Philippines and serves as a PICS Board Director and Publication Committee Chairperson. His education includes Instrumentation Engineering, Supply Chain Management, Industrial Instrumentation and Control Technology, and postgraduate Project Management. A high placer in both PICS engineering and technician certification examinations, he has also received multiple regional and company awards for operational excellence, innovation, productivity, and leadership. His expertise centers on process and system improvement, training, engineering, and manufacturing operations.



ENGR. JASON CHRISTIAN ANDRADE

BOARD MEMBER

Engr. Jason Christian Andrade serves as a member of the PICS Board in 2025; and also the Chairperson of the Technical Committee. He is an industrial automation professional associated with Rockwell Automation and has been involved in initiatives related to digital transformation and Industry 4.0. His industry background supports PICS efforts to strengthen linkages with technology providers and the wider automation community.



ENGR. ROLANDO OGUING

BOARD MEMBER

Rolando O. Oguing is Vice President for Engineering / Sales & Marketing of EESI Materials & Controls Corporation. His work spans engineering, industrial process controls, instrumentation, project solutions, and business development. He also serves as a Private Sector Representative on the Board of Regents of the Technological University of the Philippines, contributing an industry perspective to university governance. His professional profile reflects leadership across both the industry and the academe.



DR. MAY ANN R. CODERA

BOARD MEMBER

Dr. May Ann R. Codera is a PICS Board Director, Associate Professor V at TUP, and OIC Dean of its College of Industrial Technology, while concurrently holding several academic and administrative posts. She earned her Doctor of Educational Management from the Polytechnic University of the Philippines and has been active in TUP's Innovation and Technology Support Office since 2011. Her work includes research publication, intellectual property drafting and registration, policy development, accreditation, and technology transfer. She is an IPOPHL Ulirang Guro ng ITSO awardee, an AACUP Accreditor, and a JICA scholar in mechatronics.



ALFREDO WEBER KOH

BOARD MEMBER

Alfredo Weber Koh is an Instructor at Genesis Training Center specializing in Instrumentation and Control and serves as Head of the PICS Education Committee. A Bachelor of Science in Electrical Engineering graduate, he has built strong expertise in detail engineering and commissioning. His work combines practical engineering experience with professional training and development. He also maintains an active interest in emerging technologies, particularly artificial intelligence.



ENGR. MAR IGNACIO

BOARD MEMBER

Mar Ignacio is the President of EESI Material & Controls Corporation, an industrial instrumentation, controls, analytics, and electrical solutions company. He has been closely involved in the company's development from its early years and has contributed to its growth through executive leadership, sales, and industry engagement. His career reflects extensive experience in industrial automation and business development. Company announcements also document his election to professional or industry leadership roles. He serves PICS as Chairperson of Ways and Means and member of the Board.



ENGR. JOHN KRISTOFFER L. JAVAREZ

BOARD MEMBER

Engr. John Kristoffer L. Javarez is the Program Chair of the BS Instrumentation and Control Engineering program and OJT Coordinator at Batangas State University–The National Engineering University. He holds a Master of Engineering major in Electrical Engineering and is pursuing a PhD in Engineering Education. He advises the PICS Student National Organization and PICS Batangas Chapter and is active in student leadership and faculty service. His expertise includes process instrumentation and instrument documentation, with professional interests in automation, control-system design, and engineering education.



EX- OFFICIO PRESIDENT



ENGR. VICTOR S. ROSAS

Victor S. Rosas is the General Manager and President of Instrumentation & Control Specialists, Inc., a long-established Philippine provider of instrumentation, automation, and systems-integration solutions. His work encompasses process measurement, control and analytical systems, engineering, commissioning, maintenance, and technical services. He has also served as National President of PICS and helped sustain professional collaboration and organizational activities across the pandemic period. The exact start and end dates of his PICS presidency remain for documentary verification

COUNCIL OF PAST PRESIDENTS



The Council of Past Presidents embodies the collective experience and enduring commitment of leaders who have helped shape the Philippine Instrumentation and Control Society (PICS). Their years of service represent an important part of the Society's history and its continuing pursuit of professional excellence in instrumentation, control, and automation.

Through their wisdom, mentorship, and counsel, these leaders provide a valuable link between the Society's founding aspirations and its future direction. Their continued involvement supports today's leadership and inspires the next generation of PICS professionals to serve with integrity, competence, and dedication.

ENGR. CHUCK G. EBALO

Former President (1994)

Chuck G. Ebalo is the Technical Director and QMR/Cal Lab Signatory of Instrumentation & Control Specialists, Inc., and a former PICS President and Certification Chairperson. A BSEE graduate of UP Diliman and an Automation Specialist from Honeywell University, he has contributed extensively to instrumentation, control, calibration, training, and certification. He played a founding role in PICS in 1977 and later helped advance its certification program and TESDA competency standards for instrument technicians. His professional contributions have earned multiple recognitions in instrumentation, automation, and engineering service.



COUNCIL OF PAST PRESIDENTS

ENGR. BUDDY N. BONIFACIO, JR.

FORMER PICS PRESIDENT (2005)

Engr. Salvador N. “Buddy” Bonifacio, Jr. is a distinguished industrial automation professional and former President of the Philippine Instrumentation and Control Society (PICS), having served in 2005. He previously held senior management and executive positions at Siemens Philippines, where he contributed to the advancement of industrial automation and control technologies. He is currently the President of IATECH Solutions Inc., a company specializing in industrial automation and systems integration. A dedicated PICS leader, he has chaired several National Conventions and continues to support the Society’s mission of advancing professional excellence, technical innovation, and industry collaboration.



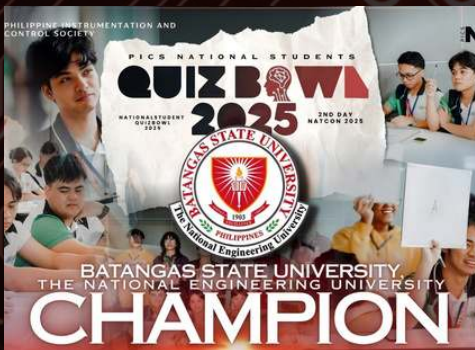
ENGR. ELI L. MANLAPAZ

FORMER PRESIDENT (1988-1989)

Eli L. Manlapaz is an Instrumentation & Control consultant with extensive experience in process instrumentation, control, and systems integration. He previously served as President of PICS, contributing leadership to the professional community of instrumentation and automation practitioners. He has remained engaged in PICS activities supporting technical development, professional networking, and knowledge sharing. His profile reflects long-standing service as a senior I&C practitioner and mentor.



2025 RECAP



2025 Recap: Advancing Skills, Strengthening Connections

By Dennis Porlaje

For the Philippine Instrumentation and Control Society (PICS), 2025 brought together the activities that give the professional organization its purpose: learning, recognition, fellowship, and cooperation. Through technical education, certification, industry gatherings, and partnerships, the Society continues to provide opportunities for practitioners, educators, students, and industry partners to connect and contribute to the development of instrumentation and control in the Philippines.

Marking 48 years since its founding in 1977, PICS reflected on a legacy sustained by generations of officers, members, and volunteers. Anniversary and oath-taking activities offered occasions to renew the commitment to professional service, ethical practice, and the responsibilities that accompany membership and leadership.

Professional development remained an important part of the year's activities. Saturday seminars and other technical learning sessions provided opportunities to revisit essential concepts, exchange practical experience, and explore developments in instrumentation, automation, and control. These gatherings supported a culture of continuing education, bringing the experience of industry practitioners closer to professionals and students preparing for greater technical responsibilities.

The certification review and examinations likewise reinforced the Society's emphasis on competence. Through its certification pathways for Instrumentation and Control Engineers and Technicians, PICS continued to place value on technical knowledge, preparation, and professional accountability. These activities reflected the importance of maintaining standards as industrial systems and workplace expectations evolve.

Fellowship extended beyond the classroom through the 2nd PICS Golf Tournament. A public sponsorship announcement from JJ-LAPP affirmed industry support for the event and its role in encouraging professional connections. The tournament added a social dimension to the Society's calendar, providing another setting for members and industry partners to meet and strengthen relationships.

A major gathering of the year was the PICS National Convention and Exhibition, held on October 22–24, 2025, held at The Podium in Mandaluyong City. Exhibitor accounts described opportunities to connect with industry professionals and present solutions for industrial applications. Alongside technical seminars, the exhibition provided a meeting point for practitioners, suppliers, and technology partners. Networking Night complemented the technical program with fellowship and informal professional exchange.

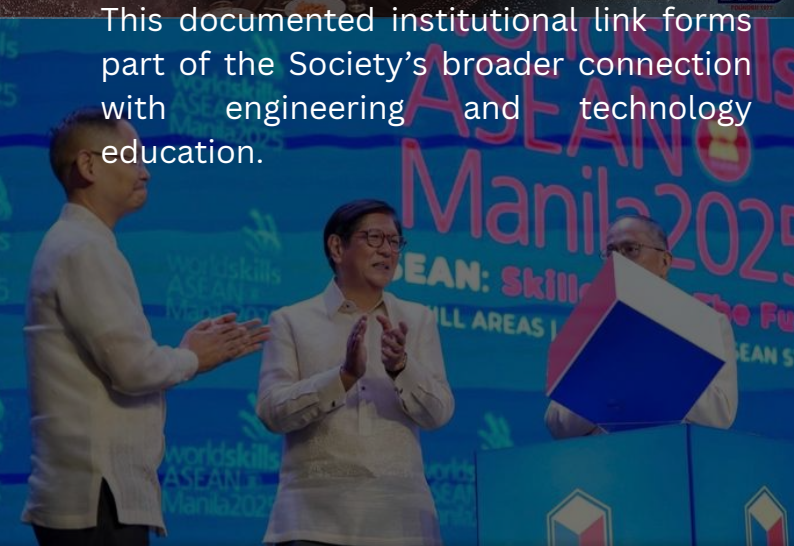
2025 Recap: Advancing Skills, Strengthening Connections.....(continuation)

The Society's chapter network also contributed to the year's momentum. The Negros Occidental Chapter held its 31st Annual Convention on July 17-18, 2025, at Roy's Hotel and Convention Center in Bacolod City. Under the theme "Advancing Instrumentation Technologies in the Digital Age," the event featured industry participation and technical knowledge sharing, including a presentation on pneumatic component sizing. It demonstrated the continuing importance of regional activities in connecting expertise with local industrial needs.

Industry-academe cooperation provided another avenue for engagement. The University of Makati's published partnership register lists a Memorandum of Understanding with PICS covering February 14, 2025 to February 14, 2028. This documented institutional link forms part of the Society's broader connection with engineering and technology education.

Beyond the Society's own programs, the wider instrumentation and automation community had reason to celebrate Filipino achievement at WorldSkills ASEAN Manila 2025. James Bryan Estrada won gold in Industrial Control, while John Patrick Torres and Steven Retirado earned gold in CNC Maintenance. Their accomplishments highlighted the value of technical training and mentorship—ideals closely aligned with PICS's professional mission.

Together, the year's activities reflected the contributions of officers, committees, chapter leaders, speakers, examiners, sponsors, exhibitors, and members. Their collective work helped sustain PICS as a community where technical knowledge is shared, professional relationships grow, and service to the profession continues across generations. As the Society moved closer to its golden anniversary in 2027, the experiences of 2025 added another chapter to that continuing commitment.



PICS



2ND



GOLF TOURNAMENT

PICS Golf Tournament 2025: A Day of Sportsmanship, Camaraderie, and Industry Unity

The Philippine Instrumentation and Control Society (PICS) successfully held its PICS Golf Tournament 2025 last March 5, 2025, at the scenic Villamor Air Base Golf Course. The event brought together professionals, engineers, industry leaders, and long-time PICS partners for a day of friendly competition, networking, and celebration of the Society's growing community.

From the early morning tee-off, the course was filled with energy as golfers from various sectors showcased not only their athletic skill but also their shared commitment to advancing instrumentation and control engineering in the Philippines. Set against the well-manicured fairways of Villamor, the tournament blended sport with professional fellowship, making it one of the year's most anticipated PICS gatherings.

Participants enjoyed a full day of competitive play, culminating in an awarding ceremony that recognized exceptional performances in various categories, including the overall champion, longest drive, nearest to the pin, and class division winners. Beyond the trophies, the tournament became an ideal venue for strengthening partnerships between industry and academe—one of PICS' core advocacies.

The event also served as an opportunity for the Society to introduce upcoming programs and initiatives for 2025, further inspiring members to remain engaged and supportive of PICS' mission. Sponsors and partners were acknowledged for their invaluable contributions, helping make the tournament a memorable and well-organized affair.

As the sun set over Villamor's greens, the participants left with renewed camaraderie, deeper connections, and lasting memories. The PICS Golf Tournament 2025 not only celebrated sportsmanship but also reinforced the unity and shared purpose of the PICS community.

PICS Saturday Seminars 2025: Advancing Professional Learning

By Dennis Porlaje

The Philippine Instrumentation and Control Society (PICS) continued its commitment to professional development through its 2025 Saturday Seminars. The 12 sessions featured in this recap, spanning April to August, brought together topics in instrumentation, automation, industrial safety, cybersecurity, and emerging technologies. Through online learning, the PICS-organized series provided a platform for sharing technical knowledge and connecting the instrumentation and control community with experienced practitioners.

The series featured Engr. Jason Christian Andrade on April 26 with Accelerate Digital Transformation in the Power Industry Thru Smart HMI and Edge Technology. On May 10, Engr. Chuck G. Ebalo presented Principles of Industrial Analytical Measurements. Engr. Ted Punzalan followed on May 31 with a discussion of the differences between Programmable Automation Controllers (PACs), PLC Hybrids, and Distributed Control Systems (DCS), highlighting important distinctions among industrial automation platforms.

June brought topics connecting technical fundamentals with broader operational concerns. Engr. Lovington Dela Cruz presented Engineering the Cybersecurity Measures of ICS/OT Using the ISA/IEC 62443 Series of Standards on June 7. Engr. Michael Acepcion discussed Basics of Switch-Mode Power Supplies on June 14, while Engr. Christian Tagros addressed Facilities Management and Energy Transition on June 21. These sessions reflected the profession's growing involvement in secure, reliable, and energy-conscious industrial operations.

Field instrumentation took center stage in July through Engr. Alfred Koh's two-part presentation: Temperature and Pressure on July 12 and Flow and Level on July 26. Together, the sessions covered four principal process variables essential to instrumentation and control practice. On July 19, Dr. Alexander Mag-Isa presented Introduction to Micro-Nano Electromechanical Devices, extending the program's scope to miniaturized technologies and emerging engineering applications.

The August sessions balanced digital manufacturing with practical installation and safety topics. Engr. Buddy Bonifacio presented MES and Industry 4.0: An Introductory Guide for I&C Engineers on August 2. Engr. Alfred Koh returned on August 9 to discuss Hazardous Area Classification and Protection. On August 16, Engr. Maria Lourdes Tabernilla presented Instrumentation Cable Management, highlighting another essential aspect of instrumentation practice.

Through this varied program, PICS connected foundational knowledge with developments shaping modern industry. The Saturday Seminars demonstrated the value of regular technical learning and professional exchange within the instrumentation and control community. PICS extends its appreciation to the resource speakers, organizers, and participants whose contributions supported the series and the Society's continuing mission of advancing professional competence.



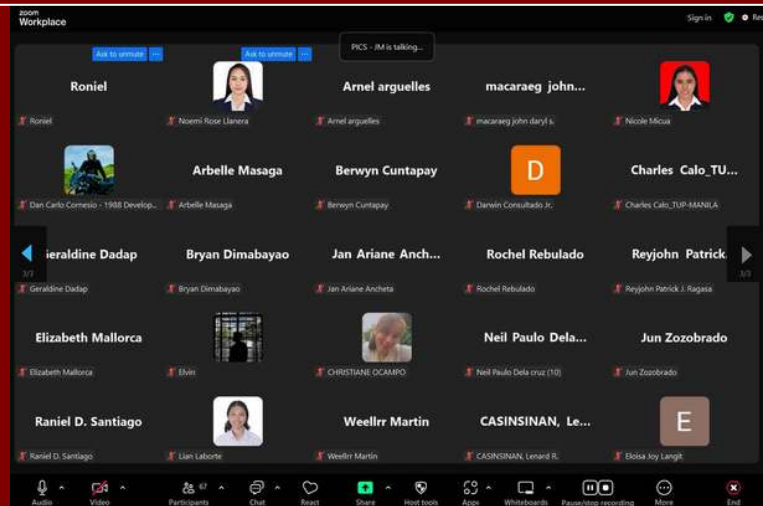
Engr. Jason Christian Andrade's
Accelerate Digital Transformation in the
Power Industry Thru Smart HMI and Edge
Technology



Engr. Chuck G. Ebalo's Principles of
Industrial Analytical Measurements



Participants of the Saturday Seminars



Participants of the Saturday Seminars

SATURDAY SEMINARS

2025
SATURDAY SEMINAR

PHILIPPINE INSTRUMENTATION
AND CONTROL SOCIETY,
EST. 1977

FOUNDED 1977

MEET THE SPEAKER
Engr. Lovington Dela Cruz

TOPIC:
Engineering the
Cybersecurity Measures of
ICS/OT using
ISA/IEC 62443
series of standards

JUNE 7, 2025 | 9:00AM
VIA ZOOM WEBINAR

Engr. Lovington Dela Cruz's Engineering
Cybersecurity Measures of ICS/OT using
ISA/IEC 62443

2025
SATURDAY SEMINAR

PHILIPPINE INSTRUMENTATION
AND CONTROL SOCIETY,
EST. 1977

FOUNDED 1977

MEET THE SPEAKER
Engr. Ted Punzalan

TOPIC:
Differences
Between
Programmable
Automation
Controllers (PACs), PLC
Hybrids, and Distributed
Control Systems (DCS)

MAY 31, 2025 | 9:00AM
VIA ZOOM WEBINAR

Engr. Ted Punzalan's Differences between
Programmable Automation
Controllers (PACs), PLC Hybrids, and Distributed
Control Systems (DCS)

2025
SATURDAY SEMINAR

PHILIPPINE INSTRUMENTATION
AND CONTROL SOCIETY,
EST. 1977

FOUNDED 1977

MEET THE SPEAKER
Engr. Michael Acepcion

TOPIC:
Basics of
Switch-Mode
Power Supplies

JUNE 14, 2025 | 9:00AM
VIA ZOOM WEBINAR

Engr. Michael Acepcion's Basics of
Switch-Mode Power Supplies

2025
SATURDAY SEMINAR

PHILIPPINE INSTRUMENTATION
AND CONTROL SOCIETY,
EST. 1977

FOUNDED 1977

MEET THE SPEAKER
Engr. Christian Tagros

TOPIC:
Facilities
Management
and Energy
Transition

JUNE 21, 2025 | 9:00AM
VIA ZOOM WEBINAR

Engr. Christian Tagros's Facilities
Management and Energy Transition

2025
SATURDAY SEMINAR

PHILIPPINE INSTRUMENTATION
AND CONTROL SOCIETY,
EST. 1977

FOUNDED 1977

MEET THE SPEAKER
Engr. Alfred Koh

TOPIC:
Field
Instrumentation
Part 1
(Temperature &
Pressure)

JULY 12, 2025 | 9:00AM
VIA ZOOM WEBINAR

Engr. Alfred Koh's Field Instrumentation
Part 1 (Temperature and Pressure)

SATURDAY SEMINARS



Dr. Alexander Mag-Isa's Introduction to Micro-Nano



Engr. Alfred Koh's Field Instrumentation Part 2 (Flow and Level)



Engr. Buddy Bonifacio's MES and Industry 4.0: An Introductory Guide for I&C Engineers



Engr. Alfred Koh's Hazardous Area Classification and Protection



Engr. Maria Lourdes Tabernilla's Instrumentation Cable Management

SATURDAY SEMINARS

PICS NATIONAL CONVENTION 2025: ACCELERATING INDUSTRY 4.0 THROUGH STRATEGIC PARTNERSHIPS

BY: DENNIS PORLAJE

The PICS National Convention 2025 successfully brought together instrumentation and control professionals, educators, researchers, and industry leaders for a transformative three-day gathering that took place on October 22–24, 2025, at The Podium Hall in Ortigas. Organized by the Philippine Instrumentation and Control Society (PICS), the convention highlighted the Philippines’ ongoing efforts to strengthen its role in the era of Industry 4.0.

With the theme, “Accelerating Industry 4.0 Through Strategic Partnerships Between Industry and the Academe,” the event underscored a crucial message: **real progress in automation and digital transformation required meaningful collaboration, unified vision, and shared expertise.**

BRIDGING THE SKILLS GAP FOR A SMARTER PHILIPPINES

Throughout the event, speakers and participants emphasized the increasing demand for highly trained professionals in instrumentation, control systems, robotics, artificial intelligence, and industrial automation. Industry leaders pointed out the persistent gap between academic training and real-world requirements.

PICS positioned itself as a vital bridge between educational institutions and industries that needed automation talent. The convention highlighted initiatives that: modernized engineering curricula in alignment with Industry 4.0 technologies; expanded internship and apprenticeship opportunities for students; promoted joint research in automation, sensors, robotics, and smart manufacturing; and, supported continuing professional education and certification for practicing engineers.

These efforts strengthened the collective goal of building a future-ready Filipino technical workforce.

The 2025 convention featured a strong lineup of keynote speakers, panelists, and technical presenters from both local and international communities. Participants attended sessions that explored emerging global trends, industry challenges, and innovative solutions.

The convention showcased international experts in industrial automation, IIoT, cybersecurity, and advanced process control local leaders from energy, manufacturing, utilities, semiconductors, and advanced electronics focused academe–industry dialogues on workforce development an exhibition floor featuring next-generation sensors, control systems, robotics platforms, and digital transformation tools.

These sessions enabled delegates to gain valuable insights and expand their professional networks.



INDUSTRY 4.0: A CRITICAL TURNING POINT

Discussions throughout the event recognized that Industry 4.0 was no longer an emerging concept but an active transformation reshaping industries worldwide. Filipino companies were steadily adopting intelligent systems to enhance productivity, efficiency, and competitiveness.

The convention covered a range of advanced technologies, including: Industrial Internet of Things (IIoT), cyber-physical systems, machine vision, robotics, and automation integration, AI-enabled predictive maintenance, advanced process control applications, digital twins and virtual commissioning.

These topics helped attendees understand how digital ecosystems could redefine the local and global industrial landscape.

STRENGTHENING THE ENGINEERING COMMUNITY

Beyond its technical program, the convention fostered a strong sense of community among engineers, academicians, technologists, and students. Delegates engaged in networking sessions, career discussions, industry meet-ups, and recognition programs.

Participants benefited from opportunities to:

- connect with peers and experts
- explore job placements, internships, and training paths
- present research and share innovations
- celebrate excellence in the field of instrumentation and control

A FORWARD-LOOKING VISION

The successful completion of the PICS National Convention 2025 reaffirmed the organization's commitment to advancing the nation's automation and digitalization capabilities. By strengthening partnerships between academe and industry, PICS helped create an environment where Filipino engineers could thrive in a rapidly evolving global tech landscape.

The 2025 convention stood as more than an annual gathering—it became a catalyst for innovation, collaboration, and a future-ready Philippines.



Fireside Chat Highlights PICS NATCON 2025

By Dr. May Ann R. Codera

A fireside chat between the academic and industry experts underlining the theme of this year's PICS National Convention, "Accelerating Industry 4.0 through Strategic Partnerships between Industry and the Academe," held on October 22, 2025.

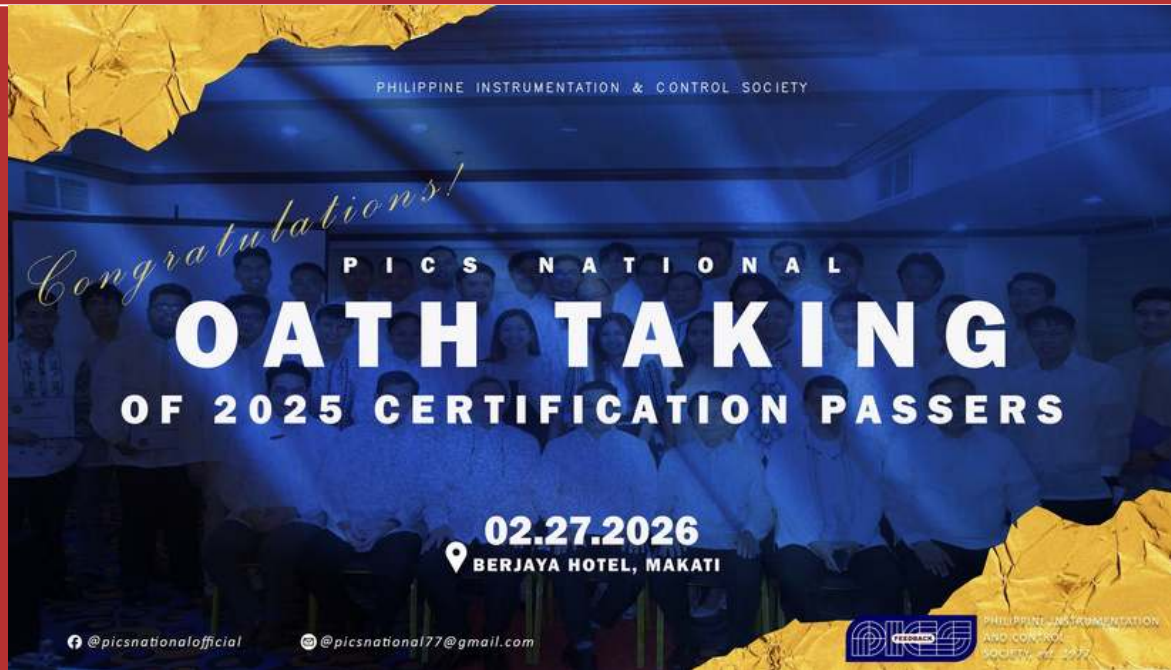
The academic experts in the panel discussion composed of Dr. Mary Ann Imperial of the Philippine Technological Council, Dr. Reynaldo Ramos, President of Technological University of the Philippines, and Engr. John Kristoffer Javarez of Batangas State University, while the industry experts were Engr. Buddy Bonifacio of IATech, Engr. Jason Andrade of Rockwell Automation, and Engr. Johnquil Peralta of MeruEPC.

This panel discussion focused on the perspective of Industry 4.0 within the Philippine context, technologies that are reshaping the field of instrumentation and control as well as the preparation of the current workforce and academic programs in the transformation of the Philippine industries. The discussion also pointed out the ways on how to bridge the gap between the industry and the academe. It also detailed how automation and integration of artificial intelligence affect the emerging roles for instrumentation and control engineers. It ended on how the industry, and the academe co-develop talent pipelines or innovation hubs.



PANEL DISCUSSION. *An interactive panel discussion with the academe and industry experts highlighted the first day of PICS NATCON 2025.*

This fireside chat concluded on how the instrumentation and control industry can move forward through the strategic partnership between the academe and industry.



Photos taken from PICS' Social Media



Photos taken from PICS' Social Media

OATH TAKING CEREMONY

A Pledge to Professional Excellence: PICS Honors 2024 Certification Passers

By Dennis Porlaje

The Philippine Instrumentation and Control Society (PICS) marked a significant professional milestone with the oath-taking of successful candidates in the 2024 Instrumentation and Control certification examinations. Held on February 28, 2025, at the Berjaya Hotel in Makati City, the ceremony celebrated the achievements of the new Certified Instrumentation and Control Technicians (CICT) and Certified Instrumentation and Control Engineers (CICE).

For the successful examinees, the occasion marked the culmination of preparation, technical learning, and determination. Their achievement represents an important step in careers dedicated to the measurement, automation, and control of industrial processes—work that contributes to the safety, reliability, and efficiency of industry.

The oath-taking also underscored the responsibility that accompanies professional recognition. Beyond passing an examination, certified practitioners are called upon to exercise sound judgment, uphold ethical standards, and continue developing their competence as technologies and industry requirements evolve.

Established in November 1980, the PICS Certification Program has provided generations of instrumentation and control practitioners with a pathway to professional recognition. Its engineer and technician categories reflect the complementary contributions of professionals who design, implement, operate, and maintain instrumentation and control systems.

The February 2025 ceremony continued this tradition, welcoming the 2024 passers into a community committed to technical excellence and responsible practice. Their accomplishment adds another chapter to the Society's continuing efforts to advance the instrumentation and control profession in the Philippines.

The February 2025 ceremony continued this tradition, welcoming the 2024 passers into a community committed to technical excellence and responsible practice. Their accomplishment adds another chapter to the Society's continuing efforts to advance the instrumentation and control profession in the Philippines.

Congratulations to all 2024 CICT and CICE certification examination passers. May this achievement inspire continued learning, integrity, and service to the profession.



ENGINEERING THE FUTURE: HOW THE PHILIPPINES SHONE IN ADVANCED MANUFACTURING SKILLS AT WORLDSKILLS ASEAN MANILA 2025

BY DENNIS PORLAJE

When the Philippines hosted WorldSkills ASEAN Manila 2025, the region witnessed not just a competition but a vision of Southeast Asia's technological future. Held from August 25–30, 2025, the event brought nearly 300 of the most skilled young professionals across 10 ASEAN nations to showcase their talent in 32 advanced and traditional skill areas.

For the Philippines, it was a historic moment — a validation of the nation's growing capabilities in Manufacturing, Automation, Robotics, Mechatronics, and Industry 4.0 technologies.

With a record haul of 10 Gold, 7 Silver, 8 Bronze medals, and 5 Medallions for Excellence, the Philippines demonstrated a powerful message:

The Filipino workforce is ready for the next era of industrial transformation.

Among the six sectors, the Manufacturing and Engineering Technology cluster emerged as the most competitive and most aligned with the demands of modern industry. This cluster featured:

- Industrial Control
- Industrial Automation
- Mechatronics
- Industry 4.0
- Internet of Things (IoT)
- Autonomous Mobile Robotics (AMR)
- Cobot Systems Integration
- CNC Maintenance

- Electronics
- Welding
- Mechanical Engineering CAD

These technical fields mirror the global transformation toward smart manufacturing, digital industrial systems, robotics-enabled operations, and connectivity-driven processes.

TESDA's partnerships with industry giants like Festo, Siemens, Schneider Electric, Omron, and Bosch ensured that competitors trained using industry-grade equipment found in modern manufacturing facilities.

A HISTORIC TRIUMPH FOR THE PHILIPPINES

The Philippines' strongest medal haul in its WorldSkills ASEAN history included numerous wins in engineering and technology disciplines critical to industrial modernization, such as:

- Industrial Control – Gold
- CNC Maintenance – Gold
- IoT – Gold
- Electrical Installations – Gold
- Refrigeration & Air-Conditioning – Gold

But beyond medals, the deeper story is this:

Filipino youth are excelling in the high-technology trades that define Industry 4.0.



From left: FS Automation General Manager Fernando Santiago, Industrial Control gold medalist James Bryan Estrada, Expert/Coach Noriel Vasallo, and Dan Kervin Del Mundo.

SPOTLIGHT: THE EIGHT HIGH-TECH SKILLS THAT DEFINE THE FUTURE

Below is a spotlight on the key Industry 4.0-related skills that not only showcased Filipino talent but also represent the emerging backbone of modern factories, smart cities, and industrial automation systems.

★ 1. INDUSTRIAL CONTROL - GOLD

TEAM 1 — GOLD MEDAL

Competitor: James Bryan Estrada

Expert: Noriel Vasallo

Industrial Control is central to modern automation, combining electrical installation, control-panel assembly, PLC-based control, instrumentation, safety, testing, and systematic troubleshooting. Estrada's gold-medal performance demonstrated the technical precision, discipline, and problem-solving expected of an internationally competitive industrial-control specialist.

TEAM 2

Competitor: Jade Bale

Expert: Marcos Fuerte

The Philippines fielded a second Industrial Control team, further demonstrating the depth of developing talent and expertise in this highly technical skill area.

★ 2. INDUSTRIAL AUTOMATION

Industrial Automation tests a competitor's ability to design and integrate:

- PLC logic
- Industrial sensors and actuators
- HMI programming
- Pneumatic and electro-pneumatic systems
- Automated production lines

Philippine competitors performed strongly in this category, demonstrating the country's readiness to operate and maintain automation systems in modern industrial plants.



James Bryan Estrada in action during the Industrial Control competition, applying PLC programming, panel-control, testing, and troubleshooting skills. His performance led Team Philippines to the gold medal.

★ 3. MECHATRONICS

Mechatronics teams worked with:

- Integrated mechanical, electrical, and control systems
- Assembly of modular factory automation equipment
- Diagnostics of production modules
- Process optimization

This reflects the skillset needed for factory automation, robotics maintenance, and smart manufacturing. Filipino mechatronics competitors demonstrated high precision and problem-solving capabilities.

★ 4. INDUSTRY 4.0

Industry 4.0 competitors had to integrate:

- Cyber-physical systems
- Data acquisition & analytics
- Cloud-enabled manufacturing
- Predictive maintenance systems
- Smart factory configurations

This discipline showcases the digital future of manufacturing — and the Philippines' growing capability to adopt intelligent, data-driven industrial systems.

★ 5. INTERNET OF THINGS (IOT) — GOLD FOR THE PHILIPPINES

Filipino competitors Hayden Christian Gravador and Gian Benedict Cariño captured a gold medal, proving the country's skill in next-generation connectivity.

They built IoT systems involving:

- Sensors and wireless communication
- Microcontroller programming
- Cloud dashboards
- Remote monitoring and alerts
- Environment and process automation

IoT is critical for smart buildings, intelligent farms, logistics tracking, and industrial monitoring — making this victory highly significant for the Philippines' digital innovation sector.

★ 6. AUTONOMOUS MOBILE ROBOTICS (AMR)

The AMR skill area tested:

- Navigation algorithms
- Obstacle detection
- Sensor mapping (LiDAR, ultrasonic, IR)
- Automated delivery and transport systems
- Fleet coordination logic

As industries move toward automated warehousing and smart logistics, competence in AMR showcases the Philippines' readiness for robotics-driven workflow optimization.

★ 7. COBOT SYSTEMS INTEGRATION

Cobots (collaborative robots) represent the next generation of industrial equipment designed to work safely with humans.

Competitors performed, Cobot programming, End-effector configuration, Safety zoning & compliance, Task sequencing and Assembly automation tasks.

The performance in this area proves that Filipino talent can support industries transitioning toward robotics and semi-autonomous production environments.

★ 8. CNC MAINTENANCE - GOLD

CNC Maintenance competition focuses on the systematic inspection, troubleshooting, assembly, and repair of Computer Numerical Control (CNC) industrial machinery, specifically CNC milling and CNC lathe machines.

At WorldSkills ASEAN Manila 2025, the Philippine team won the gold medal in this category, represented by gold medalists Steven Retirado and John Patrick Torres. Experts Leo Privado and Dhenil Mangubat help coach and train the team.



From left: TUP-MET Faculty Prof. Marcelino Cotel, Jr., TUP President Dr. Reynaldo Ramos, Steven Retirado (gold, CNC Maintenance), John Patrick Torres (gold, CNC Maintenance), Leo Privado (expert), Cedric Milsen Palaganas (bronze, Mechanical Engineering CAD), and Engr. Dhenil Mangubat (expert).

Beyond their gold medal triumphs, the Philippine delegates claimed bronze medals in Electronics, Julius Capul; Mechanical Engineering CAD, Milsen Cedrick Palaganas; and Mechatronics, Roneil Arriesgado & Abraham Badar. Furthermore, competitor Aldren Faderog earned a Medallion for Excellence in welding, highlighting the nation's technical precision in material joining and fabrication.

Competitors in Mechanical Engineering CAD showcased expert proficiency in standard 3D modeling, parametric assembly, and stress analysis, while those in electronics and mechatronics demonstrated seamless integration of pneumatic circuits, embedded systems, and programmable control logic. Together with the main gold-winning delegations, these silver, bronze, and excellence awardees highlighted the growing depth and technical maturity of the Philippines' industrial workforce under the guidance of national technical education programs like TESDA.



This photo shows TESDA Director General José Francisco “Kiko” Benitez and Philippine President Ferdinand “Bongbong” Marcos, Jr. during the opening ceremony of the WorldSkills ASEAN Manila 2025 held in Pasay City. Photo courtesy of Presidential Communications Office.

LEADERSHIP MESSAGES: DRIVING A SKILLS REVOLUTION

During the opening ceremony, President Ferdinand “Bongbong” Marcos Jr. expressed that skills are more valuable than oil, more enduring than gold, and more transformative than any technology. He emphasized that World Skills ASEAN in Manila 2025 showcased the Philippines’ readiness for global competitiveness and industrial modernization.

The TESDA Director General José Francisco “Kiko” Benitez emphasized discipline, collaboration, and innovation: **“This competition proved that our learners and workers possess not just technical proficiency, but also the discipline and courage to compete with the best of Southeast Asia,” he stated.** He also reaffirmed TESDA’s direction toward digital transformation, Industry 4.0 adoption, and strong industry partnerships.

Furthermore, key ASEAN delegates and industry leaders reiterated that empowering the workforce through continuous upskilling is vital to sustaining regional growth. They highlighted that investing in technical and vocational training not only bridges the gap between education and employment, but also ensures that Southeast Asian talent remains adaptive, resilient, and forward-looking in an increasingly automated global economy.

IMPLICATIONS FOR THE PHILIPPINE INDUSTRIAL SECTOR

1. Strengthened Industrial Workforce Filipino technicians are becoming globally competitive in automation, robotics, and advanced manufacturing.
2. Boost for Instrumentation & Control Careers Industrial Control and Automation wins signal high demand for I&C professionals nationwide.
3. Acceleration of Industry 4.0 Adoption Training in IoT, AMR, Mechatronics, and Industry 4.0 ensures smoother transitions to smart manufacturing.
4. Better Alignment with Global Industries, world-class training strengthens the Philippines' position as an outsourcing hub for engineering and technical services.
5. Inspiration for Future Students

The success stories provide role models for aspiring engineers, technicians, and automation specialists.

CONCLUSION: THE PHILIPPINES IS READY FOR THE FUTURE OF INDUSTRY

WorldSkills ASEAN Manila 2025 was more than a competition—it demonstrated national excellence, youth innovation, technical readiness, and a strong foundation for Industry 4.0. From Industrial Control and Automation to IoT and Robotics, Filipino competitors proved they can excel in the advanced industrial and digital skills shaping the region's future.

Building on these accomplishments, the event underscored the critical role of strategic partnerships between government agencies, educational institutions, and private industry leaders. Moving forward, the Philippines aims to expand access to high-caliber technical education and modern training facilities, ensuring that the momentum generated by the competition translates into sustainable career opportunities, heightened global competitiveness, and robust economic growth for generations to come.



Industrial Control gold medalist James Bryan Estrada celebrates with the Philippine flag alongside TESDA Director General Jose Francisco “Kiko” Benitez. (Photo courtesy of Presidential Communications Office)

PICS STUDENT CHAPTERS

By John Kristoffer Javarez



On October 22, 2025, the Philippine Instrumentation and Control Society – National Student Organization successfully conducted its National Student Organization Election. The activity gathered student representatives from various universities, namely: Rizal Technological University (RTU), Technological University of the Philippines (TUP), Batangas State University – Engineering, Batangas State University – CET, and University of Batangas.

The program formally commenced with the opening remarks delivered by Dr. Jaido S. Zarceno the President of Philippine Instrumentation and Control Society. The event proper was hosted and led by Engr. JM Alilio and co-hosted by Engr. John Kristoffer Javarez, who facilitated the orderly flow of the program and ensured proper conduct of the election proceedings.

During the meeting, the list of officers from different chapters and positions was presented to the body. After the presentation, the nomination process officially began. For the position of President, Ma. Genkie Niez from Rizal Technological University was first nominated, followed by the nomination of Karel Drew De La Pena from Batangas State University. Prior to the voting, both nominees were given the opportunity to deliver their respective speeches. Ma. Genkie Niez emphasized the importance of transparency, accountability, and open communication within the organization. Meanwhile, Karel Drew De La Pena highlighted her advocacy to promote greater awareness and understanding of Instrumentation and Control among students. She further expressed her goal of making the organization a welcoming and supportive home for every officer and member.

The election was conducted through a raising of hands to ensure transparency and fairness in the voting process. After the official tallying of votes, the following officers were duly elected:

- **President:** Karel Drew De La Pena
- **Vice President for External Affairs:** Ma. Genkie Niez
- **Vice President for Internal Affairs:** Vince Paje
- **Secretary:** Lawrence Kyle Firme
- **Executive Secretary:** Marc Vincent De Ramos
- **Finance Officer:** Lhen Jauna Karyle Alcoreza
- **Auditor:** Sweet Patricia Nicole Garcia
- **Batangas Director:** Janilla Mae J. Panaligan
- **TUP Director:** Carmelle Castillo
- **RTU Director:** Gian Imperial
- **Activity Officer:** Jan Michael Balderas
- **Procurement Officer:** John Lawrence Febrer Fabre
- **Publication Officer:** Jayson Galupo
- **Public Relations Officer:** Irene Grace Quintana

Following the proclamation of the elected officers, an oath-taking ceremony was conducted to formally induct the new set of leaders of the PICS National Student Organization. The officers solemnly pledged to uphold the organization's vision, mission, and objectives, and to faithfully serve the student members and the profession.

The successful conduct of the election and oath-taking ceremony signified a strengthened leadership structure and a renewed commitment to advancing the goals of the PICS National Student Chapter.



Let us welcome the Newly Elected PICS National Student Chapter!

PICS NATIONAL STUDENT CHAPTER

The PICS National Student Organization brings together student chapters from colleges and universities to strengthen technical learning, leadership, collaboration, and professional engagement in Instrumentation and Control.

Through chapter activities, technical programs, elections, competitions, and interaction with practicing professionals, student members gain opportunities to develop both technical competence and leadership experience.

Ultimately, the organization serves as a bridge between academic education and industry demands, preparing future engineers and technical leaders to drive innovation. By cultivating a strong network of student chapters nationwide, the PICS National Student Chapter empowers young practitioners to stay ahead of evolving technological trends and actively contribute to the growth of the Instrumentation and Control sector.



DEVELOPING FUTURE ENGINEERS AND TECHNOLOGISTS THROUGH TECHNICAL COMPETENCE, LEADERSHIP, AND PROFESSIONAL INVOLVEMENT.

PICS encourages its student chapters to serve as active communities of learning within their respective institutions. By connecting students with industry practitioners, educators, and the wider PICS network, the organization helps bridge academic preparation and professional practice.

The National Student Chapter provides a common platform for student leaders to collaborate across universities, share initiatives, and participate in programs that advance awareness of instrumentation, automation, and control.



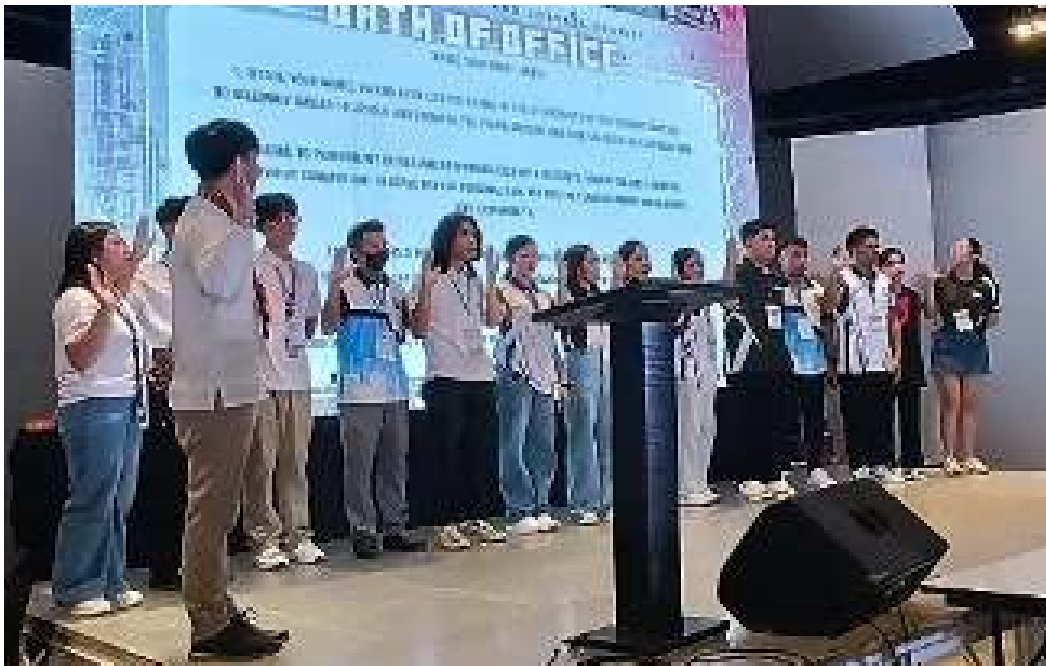
PICS Broadens Reach with New Student Chapters

By Dr. May Ann R. Codera

The Philippine Instrumentation and Control Society (PICS) officially launched its new student chapters from the three pioneer universities offering Instrumentation and Control programs. This significant milestone was held on October 22, 2025, at the Podium Hall which aimed to broaden the reach of PICS and assist the future instrumentation professionals.

The Student Chapter of Batangas State University, Rizal Technological University, and the Technological University of the Philippines, together with their advisers, individually took their oath while the elected officers of PICS National Student Chapter likewise officially pledged their commitment in strengthening instrumentation and control within their respective academic institutions.

These student chapters shall foster collaboration among the other students and continuously uphold the standards, values, and mission of PICS. In the PICS National Convention 2025, the officers served as student arm, delivering assistance to the organizers, thus embodying the theme of accelerating strategic partnerships between industry and academe.



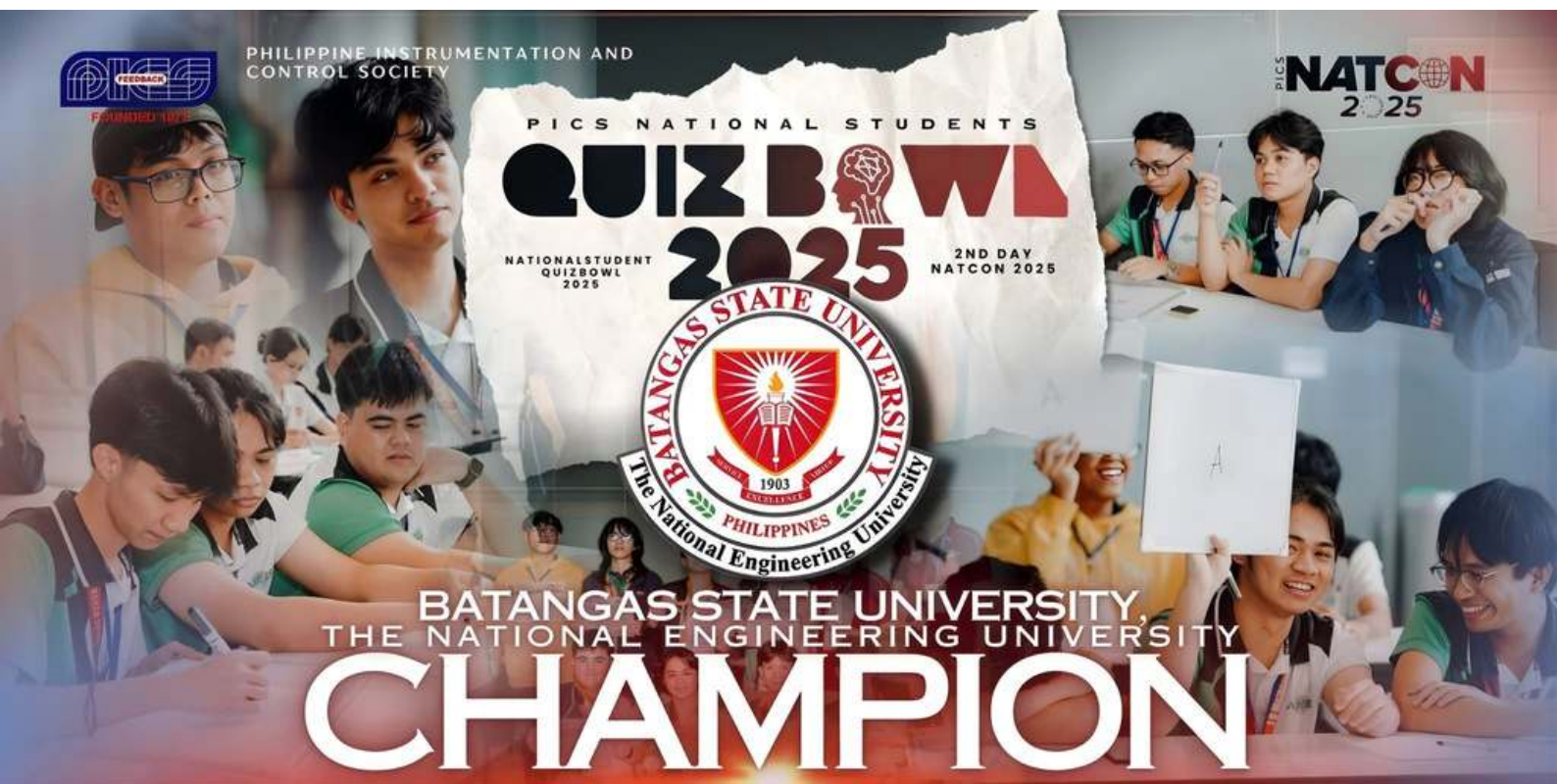
PICS STUDENT CHAPTER. *The elected officers of PICS National Student Chapter took their oath during the first day of the PICS National Convention 2025 on October 22, 2025, held at the Podium Hall.*

Leading the PICS National Student Chapter is Engr. John Kristoffer Javarez, one of the Board of Directors of the PICS, serving as the adviser.

The establishment of these student chapters reflects PICS commitment in empowering the students that later form part in the pool of champions of instrumentation and control.

BatStateU Retains Quiz Bowl Crown

By Dr. May Ann R. Codera



Batangas State University (BatStateU) The National Engineering University retained its championship crown in the Philippine Instrumentation and Control Society (PICS) National Convention Quiz Bowl 2025, held at the Podium Hall, October 23, 2025.

BatStateU scored a whopping 34 points after three rounds of competition, followed by Rizal Technological University (RTU) with 19 points, and trailing behind was Technological University of the Philippines (TUP) with 14 points.

BatStateU's Team 1 quizzers were composed of Adrian Jhed Acuzar, John Cedrick Aures, Anthony Josh Bautista, Andrei Dnalle Dalida, and Anzelmo Logo while Kyle Justine Aguilar, Matthew Esguerra, Van Reizen Gonzales, Gio Allen Mercado, and Lance Andrei Plata belonged to Team 2. For RTU, the participants were Reisha Adnan Ignacio, Cris Anthony Cuajao, John Luis Pelovello, King Ephraim Sarino, and Michael Caleb Madridejos. For TUP, the competitors were Roberto Cipres, Raine Julianne Conti, Gerald Nejas, Chris Jenard Delos Reyes, and Lemuel Salvedia.

These three pioneering universities offering Instrumentation and Control battled for the challenge together with their coaches. For BatStateU, the coaches were Engr. Apryll Joy A. Hernandez and Engr. John Kristoffer L. Javarez, for RTU was Engr. Victor L. Domingo, and for TUP was Engr. Sherlie Bunag.

The judges in this year's Quiz Bowl were Chuck Ebalo, Victor Rosas, Eli Manlapaz and Alfred Koh.

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