

PAeC LEADS THE WAY FOR PAKISTAN AT ICDDA 2024 IN ANKARA



Pakistan Aerospace Council (PAeC)'s Convener, Mr. Imtiaz Rastgar, has participated in the Industrial Cooperation Days in Defense and Aerospace (ICDDA) 2024 Ankara, Turkey. With the aim of fostering international collaborations and showcasing Pakistan's aerospace capabilities, Mr. Rastgar proudly represented the Pakistan Aerospace Council (PAeC) at this prestigious event.

During ICDDA 2024, PAeC distributed the latest print version of its directory "HIGH-TECH INDUSTRIAL CLUSTER OF PAKISTAN" to various companies in attendance, including aerospace clusters from

Malaysia, Turkey, and Indonesia. This initiative aimed to strengthen partnerships and explore potential avenues for cooperation within the aerospace industry.

The event also welcomed esteemed guests from leading organizations such as Boeing, Leonardo Turkey, and TURKSAT (Türksat Satellite Communications Cable TV and Operations), DELTA Aerospace, Ozben Savunma, Turkish Airlines, OSTİM Savunma ve Havacılık Kümelenmesi (OSSA) and TCI Aircraft Interiors. These senior officials were invited to visit Pakistan, further solidifying ties and exploring opportunities for collaboration with Pakistani counterparts.



To extend the reach of the PAeC Directory and promote collaboration opportunities, the digital version is now available on the PAeC website. Prospective partners, customers, and companies interested in subcontracting possibilities from Pakistan can access the directory at the following link: <https://pakaero.com.pk/paec-directory-2024/>

PAeC remains committed to facilitating partnerships, fostering innovation, and driving growth in the aerospace sector, both domestically and internationally.

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About Pakistan Aerospace Council (PAeC)

The Pakistan Aerospace Council (PAeC) is a cluster organization for enterprises active in the aerospace, defense and high-tech electronics market. It is formed for global promotion of high-value addition and high technology manufacturers of Pakistan while meeting the national needs for technology acquisitions as well as expert-led, sustainable, growth of Pakistan Aerospace Industries.

PAeC supports the development of aviation and related technologies, improves the visibility of Pakistani aerospace globally aiming for a growing market share. We aim to cater to our members' interests on a political level, facilitate networking between our member our members, develop business opportunities by organizing attendance to major business events and aims at a well-functioning triple helix structure.

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INTERNATIONAL TRAINING COURSE ON VACUUM APPLICATIONS IN APPLIED SURFACE SCIENCE

The Pakistan Vacuum Society (PVS), in collaboration with IUVSTA, PSF, COMSTECH, and NINVEST, successfully organized a three-day international technical training course on "Vacuum Applications in Applied Surface Science (ITTC VAASS-2023)" from October 24-26, 2023, at COMSTECH, Islamabad.

The course aimed to provide advanced knowledge of surface science techniques, address the latest trends in vacuum technology, and foster collaborative R&D activities among industries and academic institutions.

Mr. Imtiaz Rastgar, Chairman of the Board of Rastgar Group of Industries, emphasized the crucial role of vacuum technology in research and development, while Dr. Javaid Ahsan Bhatti, President of PVS, discussed the society's programs and the importance of the training course. The event featured prominent speakers, including Prof. Dr. Ahmed Elmouna, Prof. Dr. M. Iqbal



Choudhary, and Prof. Dr. John T. Grant, who highlighted the pivotal role of vacuum science in advancing technology and innovation. Over 200 participants from Pakistan and OIC member states attended,

and a poster session showcased the work of students from IST, HITEC, and NINVEST. The event concluded with the awarding of poster prizes, souvenirs, and certificates, along with a cultural program and dinner.



INDIGENOUS AUTOMATIC TARGET TRACKER FOR AL KHALID-1 TANK QUALIFIED AND FORMALLY INDUCTED IN PAK ARMY AFTER SUCCESSFUL FIELD FIRE TRIALS



COO TeReSol, Dr Naveed Iqbal presenting souvenir to Chairman HIT, Lt-Gen. Shakir-Ullah Khattak, Hilal-e-Imtiaz (Military), on Auto Tracker induction Ceremony at HIT Taxila on 11th July, 2024.

TeReSol Pvt Ltd is proud to announce the successful development and induction of its state-of-the-art Automatic Target Tracker for the Al-Khalid-1 Tank, in collaboration with Heavy Industries Taxila (HIT). This advanced system enhances the precision and target firing accuracy of the tank's Fire Control System by

providing an automated target engagement solution using video inputs from existing cameras.

Results Achieved:

- 3x improved firing accuracy
- Acts as a Force Multiplier, offering a decisive edge over adversaries
- One of the most complex and futuristic indigenous assemblies

Cutting-Edge AI Technology:

- Powered by customized Single Board Computers (SBCs) and NVIDIA GPU processors
- Deep Learning-based AI algorithm with up to 95% accuracy in detecting, extracting, and tracking targets up to 3000 meters

Field Tested and Qualified:

- Successfully passed rigorous day and night field testing and firing trials
- Qualified for Environmental testing as per MIL-STD-810G

Futuristic Growth Potential:

Modular design allows for easy integration with any Main Battle Tank's Fire Control Computer (FCC) and on-board sensors with minimal modification.

Handing over Ceremony of Indigenously Developed Auto Tracker of Tank Al Khalid - 1 on 11th July, 2024

We are particularly grateful to the Chairman of HIT and the senior leadership for their vision and pivotal guidance, which was instrumental in the successful completion of this project.

PAeC SIGNS MOU WITH COMSATS UNIVERSITY, ISLAMABAD



- **Startup Networking:** Facilitating networking opportunities and support for aerospace and high-tech start-ups.
- **Job Placement:** Initiatives for connecting students and graduates with job opportunities in relevant industries.
- **Resource Sharing:** Sharing resources and expertise to enhance training opportunities in aerospace and aviation.

The collaboration aims to support the university's research objectives and student Final Year Projects across various departments. Pakistan Aerospace Council (PAeC) will offer guidance to students and faculty on project selection and research directions, leveraging industry insights and expertise.

Islamabad, July 4, 2024 – The Pakistan Aerospace Council (PAeC) has signed a Memorandum of Understanding (MOU) with (CUI), aimed at enhancing University-Industry Linkage and increasing interaction between academia and the aerospace industry.

Rastgar Convener PAeC, and Mr. Kamran Rashied. Representing CUI were Prof. Dr. Sajjad A. Madani - Registrar, Dr. Shamsul Qamar, Engr Ehtesham Bokhari, and Mr. Attiq ur Rehman, Additional Registrar.

This MOU sets a robust framework for cooperation, highlighting the commitment of PAeC and to fostering innovation, supporting start-ups, and enhancing job opportunities for students and graduates. The initiative underscores the importance of strengthening University-Industry Linkage to drive progress in Pakistan's aerospace and high-tech sectors.

The signing ceremony was attended by Dr. Haroon Qureshi, President PAeC, Mr. Imtiaz

Key Points of the MOU:

- **Joint Projects:** Collaboration on aerospace and aviation research and development projects.

PAeC CELEBRATING 70 YEARS OF CERN: PAeC COMMEMORATES 30 YEARS OF SUCCESSFUL COLLABORATION

Taxila, June 25, 2024 – The Pakistan Aerospace Council (PAeC) proudly joined the "CERN 70 and Pakistan" event, which featured seminars and an engineering exhibition to celebrate 70 years of CERN's pioneering work and 30 years of fruitful Pak-CERN collaboration. The event, held at Heavy Mechanical Complex 3 (HMC-3) in Taxila, was a vibrant gathering of scientific minds and industry leaders.

Leading the PAeC delegation was President Dr. Haroon Qureshi, accompanied by Secretary General Mr. Asif Jah, Dr. Javid Ahsa Bhatti, and Mr. Kamran Rashied, Secretary of PAeC. They were joined by prominent figures such as Mr. Asim Qadri General Secretary of Pakistan Foundry Association and CEO of Qadri Group, along with Mr. Faisal Saleem, Head of Commercial, and Mr. Muhammad Iqbal Gohar, Head of Project traveled all the way from Lahore to attend this significant event. The chief guests and guests of honor



included Dr. Luciano Musa, CERN 70 Project Leader and Former Spokesperson of the ALICE Collaboration, Former Chairman Pakistan Atomic Energy Commission, Mr. Pervez Butt, Mr. Kaleem Haider, Member Engineering, and Dr. Luca Malgeri, CERN Senior Researcher. Their presence added immense value to the event.

As an Associate Member of CERN, Pakistan is also celebrating several CERN 70 events within the country. An exhibition was organized to highlight Pakistan's contributions to engineering projects at CERN, showcasing the nation's significant role in global scientific advancements.

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