



Issue #34 – Week of May 19th, 2024

We want to hear from you and encourage you to share this newsletter with your faculty and spark conversations with relevant departments for more information.

- The Control and Instrumentation Engineering Department hosted its first **CIE Expo 2024** showcasing the innovative works/projects and research contributions of our students. The event fostered collaboration and networking opportunities between students and faculty.
- The IRC for Industrial Nuclear Energy organized the first-ever **Nuclear Energy Poster Competition**. A total of 40 poster submissions were received. The top five posters were awarded cash prizes.
- The Computer Engineering department held its second **COE Project Expo**. The expo featured over 15 course projects presented by more than 40 students ranging from sophomore to senior students.
- The first ever in-Kingdom **DeepRacer League** competition was organized by the SDAIA-KFUPM Joint Research Center for AI in partnership with Amazon Web Services. Forty teams competed on multiple virtual racetracks. The thrilling finale featured the top 12 teams deploying their AI models on real-life miniature race cars.
- Over 500 students in the **Mathematics Department** developed 19 high-quality poster projects featuring practical application of mathematical methods across various disciplines supported by MATLAB presentations. The projects showcase the integration of math concepts with real-world applications, reflecting the innovative spirit cultivated in the math department.
- Dr. Jamal Alsmail of the Mathematics Department secured two patents that advance the **hydrogen fuel cell field**. The patents "*Hydrogen Membrane Fuel Cell with Electrode Assembly*" and "*Method for Producing Electricity from a Hydrogen Fuel Cell*" focus on optimizing the design of electrodes to maximize electricity production and ensure uniform electrochemical reaction rates across catalytic sites.
- The College of Graduate Studies hosted the **Fifth MX Exhibition** featuring 90 projects showcasing the diverse talents and expertise of the MX students. Faculty members and industry professionals from Emmerson, Aramco, the Ministry of Interior, Nokia, and STC attended the event. The event provided a platform for networking and collaboration among students, faculty, and industry professionals.
- Senior managers of Ras Al-Khair Industrial City (RIC) and Jubail's Royal Commission visited the **Applied Research Center for Metrology, Standards, and Testing** to discuss cooperation with KFUPM. The meeting focused on utilizing industrial waste materials in RIC.
- KFUPM had two teams from Industrial and Systems Engineering Department participate in **Jeddah University's logistics hackathon**. Our teams got the first prize for Hajj and Umrah track and the second prize for smart cities logistics. Both teams were mentored by ISE faculty.