

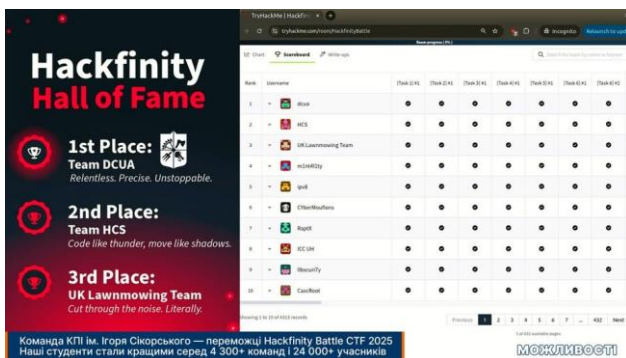


## Kyiv Polytechnic Newsletter Edition No. 8 | 21 April 2025

### Publications

#### Humanitarian demining: Doing more together with partners

The Igor Sikorsky Kyiv Polytechnic Institute continues its search for the most efficient technologies for demining to clear Ukrainian territories of explosive hazards. Recently, a two-day working meeting took place at Kyiv Polytechnic within the framework of the *Humanitarian Demining and Security System* project, implemented under the joint programme of UNIDO and the Government of Japan. [Read more](#)

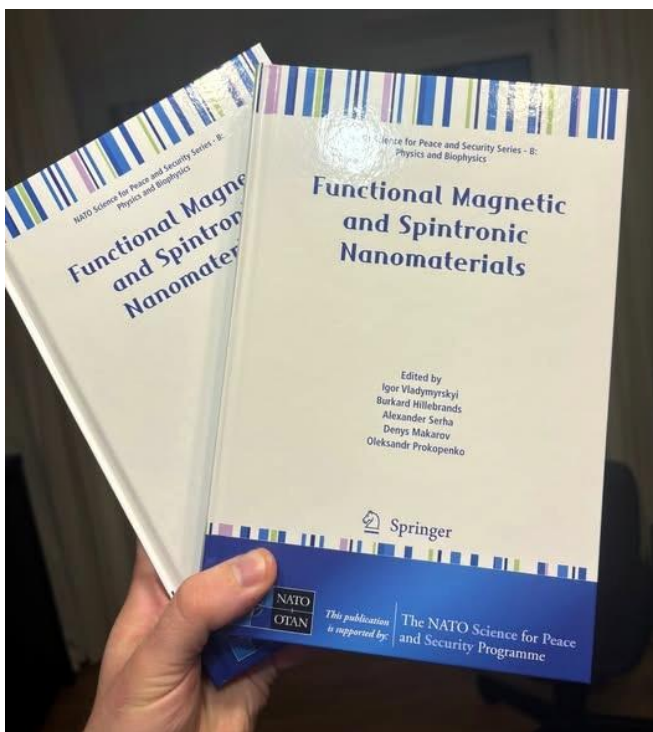


#### DCUA team takes first place in international cybersecurity competition

The DCUA team from the Technical Information Security laboratory at the Institute of Physics and Technology of the Igor Sikorsky Kyiv Polytechnic Institute took first place in the Hackfinitiy Battle CTF (Capture The Flag) 2025 – a large cybersecurity competition that brought together more than 4,300 teams and over 24,000 participants from around the world. [Read more](#)

## Kyiv Polytechnic to cooperate in Ukraine's ecotransformation with PAEW

The Igor Sikorsky Kyiv Polytechnic Institute will take joint steps towards Ukraine's ecotransformation in partnership with the Professional Association of Environmentalists of the World (PAEW), a non-profit organisation uniting more than 7,000 top environmental professionals, researchers, and practitioners – engineers, lawyers, and business leaders – who work to implement effective environmental reforms. [Read more](#)

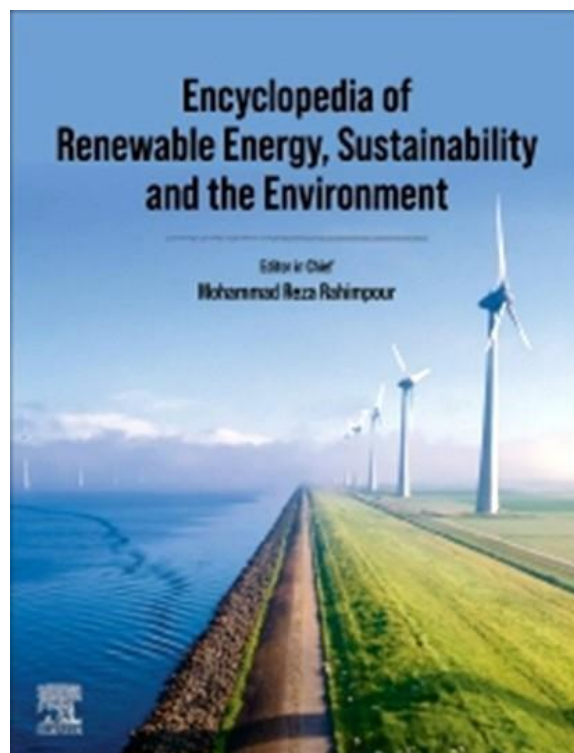


## Monograph on magnetic nanomaterials is out

In October 2024, Springer, a world leading research and educational publisher, released the monograph, *Functional Magnetic and Spintronic Nanomaterials*, under the editorship of Dr **Igor Vladymyrskyi**, Director of the Yevhen Paton Institute of Materials Science and Welding at the Igor Sikorsky Kyiv Polytechnic Institute; Prof **Burkard Hillebrands** and Dr **Alexander Serha** from the Department of Physics at Germany's University of Kaiserslautern-Landau; Dr **Denys Makarov** from Germany's Helmholtz-Zentrum Dresden-Rossendorf e.V.; and Prof **Oleksandr Prokopenko** from the Institute of High Technologies at the Taras Shevchenko National University of Kyiv. The 10-chapter volume outlines recent research in the field of functional magnetic and spintronic materials. Some of the contributions to this volume were presented as lectures and reports at the Advanced Research Workshop "*Functional Spintronic Nanomaterials for Radiation Detection and Energy Harvesting*," supported by the NATO Science for Peace and Security Programme and hosted by Kyiv Polytechnic on 25–27 September 2023. [Read more](#)

## Chapter on wind-energy utilization and sustainability is out

In August 2024, Elsevier, the academic publishing company, released the chapter, *Wind-Energy Utilization and Sustainability*, under the editorship of **Igor L. Pioro** from the University of Ontario Institute of Technology; **Mohammad Amin Makarem** from the Department of Chemical Engineering at Shiraz University; and **Constantin O. Zvorykin** from the Igor Sikorsky Kyiv Polytechnic Institute. The chapter of the *Encyclopedia of Renewable Energy, Sustainability and the Environment* (Editor-in-Chief **Mohammad Reza Rahimpour**) provides an in-depth analysis of the current state of wind-energy utilization globally, emphasizing the shift from conventional fossil fuels to renewable sources sustainably. [Read more](#)



## Collaboration with Alliances

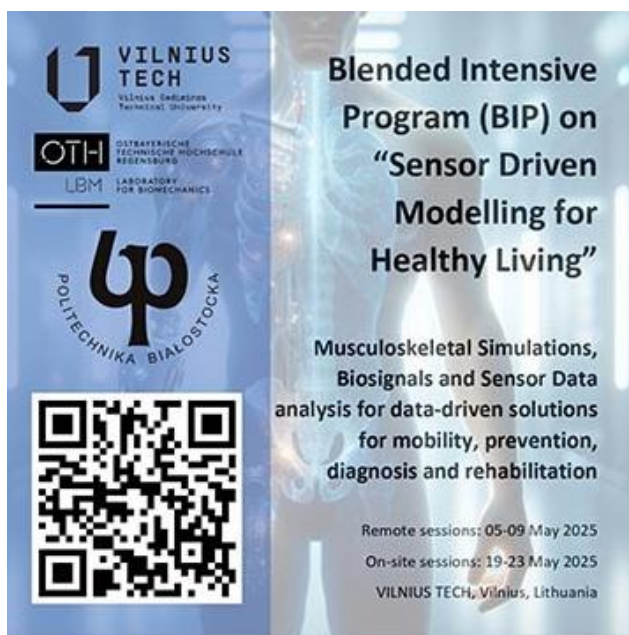


### EngiRank spotlighted: Reflecting, reimagining at CESAER Task Force Benchmark Meeting

The International Collaboration Department staff at Igor Sikorsky Kyiv Polytechnic Institute attended the meeting of the Task Force Benchmark within the CESAER association that took place fully online on 16 April 2025. The Task Force Benchmark hosted a discussion on the European Ranking of Engineering Programmes (EngiRank), featuring **Waldemar Siwiński**, the architect of this ranking. [Read more](#)

## UNICA opens Steering Committee elections

The UNICA network of universities from the capitals of Europe is set to elect five new members to its Steering Committee at the upcoming General Assembly, hosted by the National and Kapodistrian University of Athens on **19 June 2025**. [Read more](#)



## ATHENA member to host blended intensive program ‘Sensor Driven Modelling for Healthy Living’ in May

The Vilnius Gediminas Technical University (VILNIUS TECH), a member of the ATHENA alliance, invites students of biomedical, medical, biomechanical and rehabilitation engineering to join the blended intensive program, “*Sensor Driven Modelling for Healthy Living*.” This initiative offers lectures, workshops, laboratory sessions, and enriching cultural activities. The program is implemented in cooperation with the Laboratory of Biomechanics at the East Bavarian University of Technology (OTH) Regensburg, Germany, and the Institute of Biomedical Engineering at the Bialystok University of Technology, Poland. [Read more](#)

## Visits



## Tour of French universities, research institutions

The Igor Sikorsky Kyiv Polytechnic Institute’s delegation has launched a tour of French universities and research institutions to establish new partnerships and strengthen existing ties. The tour began with a visit to Le Mans Université, where the delegation participated in panel discussions, workshops and meetings held within the framework of *International Staff Week* dedicated to the development of internationalisation, inclusion, and academic mobility. [Read more](#)

## Kyiv Polytechnic delegation visits École Polytechnique

The delegation of the Igor Sikorsky Kyiv Polytechnic Institute, led by Rector **Anatolii Melnychenko**, paid a visit to the École Polytechnique de Paris on 8 April 2025. During the visit, Kyiv Polytechnic representatives met with Director General **Laura Chaubard**, **Gaëlle Le Goff**, Director of International Relations, and **Christine Levavasseur**, Head of Europe and Mediterranean at École Polytechnique. [Read more](#)



## Kyiv Polytechnic delegation, Université Paris 8 sign bilateral cooperation agreement

As part of its tour of French universities and research institutions, the next destination of the Igor Sikorsky Kyiv Polytechnic Institute's delegation was Université Paris 8 Vincennes – Saint-Denis. To strengthen international cooperation, the two institutions signed an inter-institutional agreement under the Erasmus+ programme. [Read more](#)



## Care and Collaboration: Joining forces with French institution to heal heroic defenders of Ukraine

The tour of French universities and research institutions by the Igor Sikorsky Kyiv Polytechnic Institute's delegation concluded with a meaningful visit to the Institution Nationale des Invalides in Paris. For over three centuries, this unique French institution has been supporting military personnel suffering injuries. [Read more](#)

Upcoming events

## International Forum: Innovations in Medical Engineering

Kyiv Polytechnic and online

**May 20-21, 2025**



## **International conference on renewable energy scheduled for May 2025**

The 26th International Scientific and Practical Conference event will take place on **May 21-23, 2025**. The theme of the conference will be *Renewable Energy and Energy Efficiency in the 21st Century*. [Read more](#)

## **Remarkable dates and holidays in Ukraine**

Ukraine is a land rich in culture and tradition, where every season brings a kaleidoscope of celebrations, from ancient customs to modern commemorations. Whether it is the embroidered elegance of **Vyshyvanka Day**, the solemn remembrance of the **Heavenly Hundred**, the jubilant **Independence Day** celebrations or the joyful promise of spring on **Annunciation**, each date reveals a story deeply rooted in faith, resilience, and heritage. [Read more](#)



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