



Sikorsky Challenge Ukraine

PROGRAM

International Forum

«INNOVATIONS
IN MEDICAL ENGINEERING»

DATES: May 20 – 21 2025

VENUE: Igor Sikorsky Kyiv Polytechnic Institute,
37 Beresteyskyi avenue,
building 6-E, Kyiv, Ukraine

FORMAT: mixed – on-line and in-person presence



ORGANISERS:

- ✚ National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”
- ✚ Innovation Holding “Sikorsky Challenge”
- ✚ Charitable organisation “KOLO Charitable Foundation”
- ✚ Genesis-Ukraine Engineering
- ✚ Science Park of Additive Technologies “Sikorsky Challenge”
- ✚ National Academy of Medical Sciences of Ukraine

MAIN EVENTS OF THE FORUM:

- The grand opening of the Forum with the participation of government officials, Ukrainian and international participants of the Innovation Ecosystem “Sikorsky Challenge Ukraine”, internationally renowned speakers and experts in the field of medical engineering, representatives of foundations and companies, scientists and startup project developers;
- Speeches by speakers and experts in the plenary session format;
- Panel discussion “Innovative technologies in prosthetics and rehabilitation”;
- Presentation and opening of the Innovation Complex “Sikorsky Challenge Science Park of Additive Technologies” - Center for Prosthetics and Rehabilitation of Igor Sikorsky Kyiv Polytechnic Institute”;
- Competition of start-up projects in medical engineering;
- Negotiations of potential investors and/or customers with start-up and R&D teams;
- Closing ceremony of the Forum, awarding of the best startup projects.

THE MAIN OBJECTIVES OF THE FORUM:

- To identify the problems and pain points for the rapid implementation of innovative developments in the field of medical engineering in production, and from manufacturers to patients (in the format of a plenary session).
- To propose specific steps and mechanisms to accelerate the promotion of innovative medical engineering developments, especially in the field of prosthetics and rehabilitation, to the Ukrainian and international markets (in the format of a panel discussion).
- To gather startup teams of developers of modern technologies in the field of medical engineering, to identify the most promising ones in the context of commercialisation.
- To enable funds, customers, investors, manufacturers and business angels to select start-up projects for negotiations and further interaction for possible funding

FIRST DAY OF THE FORUM: MAY 20 2025

09.30-10.00 **Registration of participants**

10.00 – 10.30 **Opening of the International Forum ‘Innovations in Medical Engineering’**
Welcoming speeches by representatives of state authorities, the National Academy of Medical Sciences of Ukraine, Ukrainian and international innovative companies and foundations

10.30 – 11.30 **Plenary session**
Speeches and visionary messages from leading international experts in the field of medical engineering - surgical, otolaryngological, cardiological, orthopaedic (up to 8 speeches)

11.30 – 12.00 **Break**

12.00 – 13.45 **Panel discussion “Innovative technologies in prosthetics and rehabilitation”**
Participants:
Representatives of state authorities, charities and NGOs, manufacturing companies, medical experts, etc.
Moderator: Oleksandr GALKIN, Dean of the Faculty of Biomedical Engineering

13.45 - 14.30	Break
14.30 – 14.40	Presentation of the virtual exhibition Sikorsky Challenge Immersive - Hall of Medical Engineering Olexandr FILIPPOV, Lisa BILETSKA, developers
14.40 – 14.50	Presentation of the Innovative Complex “Sikorsky Challenge Science Park of Additive Technologies” - Center for Prosthetics and Rehabilitation of Igor Sikorsky Kyiv Polytechnic Institute”, Natalia SEMINSKA
14.50 – 15.30	Moving to the premises of the Innovation Complex. Opening
15.00 – 15.15	Overview of the Innovation Complex. Accompanied by Natalia SEMINSKA
15.15 – 15.35	Speeches by co-founders and partners of the Innovation Complex
15.35 – 15.50	Signing Memorandums with partners
15.50 – 16.00	Joint photo
16.00 – 16.30	Media interviews with event participants
16.30 – 18.00	Moving to the Museum. Informal communication between Forum participants

SECOND DAY OF THE FORUM: MAY 21 2025

10.00 – 10.30	Registration of participants
10.30 – 12.00	Competition of start-up projects in medical engineering Topic 1. Artificial intelligence in medical engineering and intelligent systems in medicine Topic 2. Clinical engineering, diagnostic technologies, medical instrumentation and electronics Pitch and poster presentations – 9-10 projects
12.00 - 12.30	Break
12.30 – 14.00	Continuation of the Competition Topic 3. Rehabilitation engineering and technology, endo- and exoprosthetics, physical therapy, occupational therapy Topic 4. Tissue and regenerative engineering, artificial organs and transplantation Pitch and poster presentations – 8 projects SIKORSKY CHALLENGE JUNIOR: project pitch presentations (до 8 projects)
14.00 – 15.00	Break Jury working to summarise the results and identify promising projects and teams
15.00 – 16.00	Closing of the International Forum “Innovations in Medical Engineering” <ul style="list-style-type: none"> • Announcement of the jury results • Presentation of diplomas and awards to the teams of the best startup projects • Speeches by sponsors, potential investors, and guests • Summing up the results of the Forum and the Startup Competition
16.00 – 16.30	Photo shooting, communication with the media



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