Sergey Bushuyev

Nataliia Kunanets

Volodymyr Pasichnyk

Nataliia Veretennikova

Proceedings of the sixth International Workshop IT Project Management (ITPM 2025):

Volume 1

Kyiv, Ukraine

May, 2025

Sergey Bushuyev, Nataliia Kunanets, Volodymyr Pasichnyk, Nataliia Veretennikova: The 6th International Workshop IT Project Management (ITPM 2025): Volume 1. Kyiv, Ukraine, May 22, 2025, CEUR Workshop Proceedings (CEUR-WS.org), online.

This volume represents the proceedings of the 6th International Workshop IT Project Management (ITPM 2025), held in Kyiv, Ukraine, in May, 2025. It comprises 20 contributed papers that were carefully peer-reviewed and selected out of 33 submissions.

It is our pleasure to present to you the proceedings of the 6th International Workshop IT Project Management (ITPM 2025). This volume represents the proceedings of the ITPM 2025 workshop's tracks, which took place in Kyiv, Ukraine, on May 22, 2025.

Workshop materials present the results of original research in the field of IT project management, including project action methodologies, project team management, project analysis from the employers' point of view, important aspects of IT specialists training, formation of emotional states of project team members, etc. The main purpose of ITPM 2025 workshop is a discussion of the recent research results within such tracks:

- Modeling of project management processes in the AI environment.
- Artificial Intelligence for project and program management.
- Human resource management and leadership in IT project management.
- Algorithms and tools for decision making in IT project management.
- BIM and IT technologies.
- Management of IT projects and programs.
- Formation of project portfolios of IT companies.
- Data mining, application in IT project management.
- Integrated IT project management.
- Training in project management and models of international certification.

The workshop was soliciting only regular papers that had to present original reports of substantive new research techniques, findings or applications and clearly indicate innovative aspects. Detailed presented research procedures or technical solutions should be accompanied by experimental investigations. The paper's results had to be new, clear, and well-argued.

Submission of papers to the workshop was open to all authors from around the world within the framework of the domain area concerning IT project management.

The ITPM 2025 gathered scientists from Ukraine. In general, the representatives from 16 Ukrainian Universities, as well as 2 Ukrainian public organizatios and 1 National Library of Ukraine have taken part in the workshop:

Kyiv National University of Construction and Architecture	Ukraine
Admiral Makarov National University of Shipbuilding	Ukraine
Odessa National Maritime University	Ukraine
Odesa National University of Technology	Ukraine
Lviv National Library of Ukraine named after V. Stefanyk	Ukraine
Lviv State University of Life Safety	Ukraine
PHEI "Bukovinian University"	Ukraine
Uzhgorod National University	Ukraine
Dmytro Motornyi Tavria state agrotechnological university	Ukraine
Lviv Polytechnic National University	Ukraine
Ivan Franko National University of Lviv	Ukraine
Lviv National Environmental University	Ukraine
State University of Internal Affairs	Ukraine
National University of Kyiv-Mohyla Academy	Ukraine
Kharkiv National University of Radio Electronics	Ukraine
Volodymyr Dahl East Ukrainian National University	Ukraine
O. M. Beketov National University of Urban Economy in Kharkiv	Ukraine

All-Ukrainian public organization "Guild of Designers in Construction"	Ukraine
All-Ukrainian public organization "Association of Construction Industry Experts"	Ukraine

The official language of the 6th ITPM Workshop was English. The workshop took place in the form of oral online presentations by presenters of peer-reviewed papers.

The Organizing Committee has received 33 submissions, and 20 out of them were accepted for presentation as regular papers. These papers are published in this Volume I of ITPM 2025 proceedings.

Doubtless, the workshop would not have taken place without the support and participation of several distinguished international experts. Among them were Tetiana Shestakevych (Ukraine), Head of the International Educational Project "Open Education Resources and Ukraine"; Dr. Igbal Babaev (Azerbaijan), Professor, Doctor of Science, President of the Azerbaijan Project Management Association, and Head of the Project Management Department at Baku Polytechnic University; and Prof. Dr. Çetin Elmas (Turkey), Head of the Artificial Intelligence Department at Gazi University (Ankara). Furthermore, we would like to thank our partners from Ukrainian Association of Project Management, Kyiv National University of Construction and Architecture, Ternopil National Technical University named after I. Pulyuya, Dortmund University of Applied Sciences and Arts, AGH University of Science and Technology, Lviv Polytechnic National University, International University of Information Technology (Kazakhstan), IT Astana University.
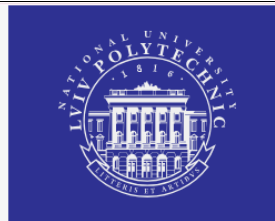
Furthermore, we would like to thank the Honorary and Programme Chairs, Programme and Organizing Committees, external reviewers, and designer team for their excellent work. We sincerely wish that all attendees benefited scientifically from the workshop and wish them every success in their future research.

Committees

Honorary Chairperson		
Bushuyev Sergey	Ukrainian Project Management Association "UKRNET"	Ukraine
Kunanets Nataliia	Lviv Polytechnic National University	Ukraine
General Chairs		
Kunanets Nataliia	Lviv Polytechnic National University	Ukraine
Veretennikova Nataliia	Lviv Polytechnic National University	Ukraine
Steering Committee		
Bushuyev Sergey	Ukrainian Project Management Association "UKRNET"	Ukraine
Kunanets Nataliia	Lviv Polytechnic National University	Ukraine
Pasichnyk Volodymyr	Lviv Polytechnic National University	Ukraine
Program Committee		
Biloshchytskyi Andrii	Nursultan University of Information Technology	Kazakhstan
Bushuyev Denis	IT Astana University	Kazakhstan
Carsten Wolff	Dortmund University of Applied Sciences and Arts	Germany
Cetin Elmas	Gazi University	Turkey
Hiroshi Tanaka	University of Tokyo	Japan
Kolesnikova Katerina	International Information Technology University of Almaty	Kazakhstan
Obradović Volodymyr	University of Belgrade	Serbia
Pasichnyk Volodymyr	Lviv Polytechnic National University	Ukraine
Recker Stefan	University of Applied Sciences and Arts	Germany
Sachenko Anatoliy	Radom University of Technology	Poland
Organizing Committee Chair		
Veretennikova Nataliia	Lviv Polytechnic National University	Ukraine
Kunanets Nataliia	Lviv Polytechnic National University	Ukraine
Organizing Committee Members		
Bushuev Serhiy	Ukrainian Project Management Association "UKRNET"	Ukraine
Bushuyeva Natalia	Kyiv National University of Constraction and Architecture	Ukraine
Duda Oleksiy	Ternopil National Technical University named after I. Pulyuya	Ukraine
Pasichnyk Volodymyr	Lviv Polytechnic National University	Ukraine
Additional reviewers		
Babayev Igbal	Baku Polytechnic University	Azerbaijan
Bushuyev Sergey	Ukrainian Project Management Association	Ukraine

	"UKRNET"	
Graca Mgr. Mart	University of Ss. Cyril and Methodius in Trnava	Slovakia
Jonek-Kowalska Izabela	Silesian University of Technology	Poland
Kobylkin Dmytro	Lviv State University of Life Safety	Ukraine
Kunanets Nataliia	Lviv Polytechnic National University	Ukraine
Pasichnyk Volodymyr	Lviv Polytechnic National University	Ukraine
Petryshyn Lubomyr	AGH University of Science and Technology	Poland
Piterska Varvara	Odessa National Maritime University	Ukraine
Romanenkov Yuri	Kharkiv National University of Radio Elelctronics	Ukraine
Tanaka Hiroshi	University of Tokyo	Japan
Tryhuba Anatoliy	Lviv National Environmental University	Ukraine
Veretennikova Nataliia	Lviv Polytechnic National University	Ukraine
Zachko Oleh	Lviv State University of Life Safety	Ukraine

Informational Partners

UPMA» ukrainian project management association	Ukrainian Association of Project Management
IDiAL	Dortmund University of Applied Sciences and Arts represented by the central scientific "Institute for the Digital Transformation of Application and Living Domains (IDiAL)", Dortmund, Germany
ТНТУ	Ternopil National Technical University named after I. Pulyuya
Українське науково-освітнє ІТ товариство Ukrainian Scientific and Educational IT Society	Ukrainian Scientific IT Society
INTERNATIONAL iITU UNIVERSITY SINCE 2009	International University of Information Technology (Almaty, Kazakhstan)
ASTANA IT UNIVERSITY	IT Astana University (Astana, Kazakhstan)
LVIV POLYTECHNIC	Lviv Polytechnic National University (Lviv, Ukraine)

Sergey Bushuyev

Nataliia Kunanets

Volodymyr Pasichnyk

Nataliia Veretennikova