ORGANIZERS





National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"

PARTNERS















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CRITICAL
INFRASTRUCTURES
PROTECTION IN
RESPONSE TO
TERRORIST ATTACKS

23-25 October 2023

DELEGATE HANDBOOK



This activity The NATO Science for Peace is supported by: and Security Programme

EVENT PROGRAMME

23 October

08:00 - 10:00 Participants' arrival

10:00 - 10:15 Rector

Kutahya Dumlupinar University, Turkey

Welcome speech and Opening of the Event

10:15 - 10:30 Rector

Rzeszow University of Technology, Poland

Welcome speech

10:35 – 10:50 Ministry of Ecology and Natural Resources of

the Republic of Azerbaijan, Azerbaijan

Welcome speech

11:00- 11:15 Consultant of Ukraine

11:20 - 12:00 PhD. Umran Ercetin

Kutahya Dumlupinar University, Turkey "Prediction of the effects of explosions on structures using commercial software programs"

12:00 - 13:00 Lunch

13:00 – 13:40 Prof. Natalia Zuievska

National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Ukraine. "Computer simulation of the effect of an explosion on critical objects infrastructure"

13:50 – 14:30 Universities at war: staying resilient under terrorist attacks (Moderators: Umran Ercetin, Olha Demydenko) Brainstorming activity

14:40 – 15:20 Dr. Sci., Prof. Svitlana Shytikova National Erasmus + Office in Ukraine, Ukraine

Resilient people and education in cooperation with international partners

15:30-16:00 Coffee Break

16:00 – 16:40 PhD. Olha Demydenko and PhD. Olga Bocovets Igor Sikorsky Kyiv Polytechnic Institute

Psychological rehabilitation of persons suffered from terrorist attack and military actions (Ukrainian university case): challenges and solutions

16:40—17:00 Facilitation session 1

18:00 Welcome reception (MUKELLEF RESTAURANT @KARAKOY)

24 October

09:00 – 09:30 Interaction of participants

09:30 - 10:20 Prof. Ali Kahriman & Selim Caner

Okan University, Turkey "Effects of explosions on structures and the environment"

10:30 - 11:10 PhD. Azer Shukurov

Deputy Chairman of the Board of Directors Ministry of Ecology and Natural Resources of the Republic of Azerbaijan, Azerbaijan

"Environmental impact assessment of blasting operations"

11:20 – 12:00 Prof. Piotr Koszelnik, Prof. Dominik Strzałka

Rzeszow University of Technology, Poland

"Potential hazards for the critical infrastructure in Poland"

12:00 - 13:00 Lunch

13:00 - 13:40 Prof. Jarosław Sep

Rzeszow University of Technology, Poland

"Risks analysis for the objects of critical infrastructure"

13:50 - 14:30 PhD. Olha Demydenko and PhD. Olga

Bocovets Igor Sikorsky Kyiv Polytechnic Institute

"Mental health and psychological support, and team motivation in the face of treats from terrorism and military operations"

14:40-15:20 Rui Cordeiro, Portugal

15:30 - 16:00 Coffee break

16:00 – 16:40 Piotr Grzybowski Rzeszow University of Technology, Poland

16:50 – 17:30 Round table "Implementation of modern approaches for critical infrastructure protection in response to terrorist attacks. Best world practices and initiatives" (Moderators: Umran Ercetin, PhD Svitlana Shytikova)

18:00 Istanbul city tour

25 October

09:00 - 09:30 Interaction of participants

09:30 - 10:10 PhD. Sergii Shlyk

Kremenchuk Mykhailo Ostrohradskyi National University, Ukraine "Resistance estimation of the critical infrastructure objects in hydropower engineering using computer simulation"

10:20 - 11:00 Prof. Andrii Dreus

Oles Honchar Dnipro National University, Ukraine

"Computer simulation of heat exchange and gas-dynamic processes as a result of terrorist attacks"

11:10 – 11:40 Prof. Mehmet Ugur Toprak

Kutahya Dumlupinar University, Turkey

"Building materials used in explosive environments"

12:00 - 13:00 Lunch

13:00 - 14:10 PhD. Olha Demydenko and PhD. Olga

Bocovets Igor Sikorsky Kyiv Polytechnic Institute

Activities in small working groups (facilitation session 2)

14:20 – 15:00 Closing remarks and award of Certificates of Participation

15:00 – 17:00 Participants' departure