



Budapest, 8 April 2026

## INVITATION

### to the Public Defense of the Doctoral Dissertation

The Doctoral School on Safety and Security Sciences and the Doctoral and Habilitation Council for Engineering and Natural Sciences of Óbuda University cordially invite you to the public defense of the doctoral dissertation of **István SZÉEN**.

Supervisor: Dr. habil. Mónika DIÓSZEGI and Prof. Dr. Ervin RÁCZ

Title of the dissertation: **Hydrogen Safety: A Proactive and Reactive Approach**

**HAZOP development through the combination of TSK-fuzzy and ACS optimization, and the development of a hydrogen-specific incident scale**

Date of the defense: **22 April 2026 (Wednesday), 10:15 a.m.**

Venue: Óbuda University – Bánki Donát Faculty of Mechanical and Safety Engineering  
1088 Budapest, József körút 6., 2nd floor, Conference Hall (J200)

**The language of the procedure is Hungarian.**

#### Members of the Evaluation Committee:

Chair: Prof. Em. Dr. Lajos BEREK, Professor Emeritus, Óbuda University

Secretary: Dr. Arnold ÓSZI, Assistant Professor; Óbuda University

Members:

Dr. Péter János VARGA, Associate Professor; Óbuda University

Dr. habil. András TÓTH, Associate Professor; Ludovika University of Public Service

Dr. Szabolcs JOBBÁGY, Associate Professor; Ludovika University of Public Service

Reviewers:

Prof. Dr. Tamás BEREK, Full Professor; Ludovika University of Public Service

Dr. Richárd HORVÁTH, Associate Professor; Óbuda University

Respectfully,

**Prof. Dr. Zoltán RAJNAI**

Vice Head of the Doctoral School  
on Safety and Security Sciences