



Physical and technical sciences

Oral session

June 26, 2025

I SESSION (June 26, 2025, 16:10-17:25)

N ₀	Surname	Name	Title of the speech
1	Krawczyk	Artur	STRESS TENSOR FROM TRACE ANOMALIES
2	Olejarczyk	Paweł	DYNAMIC OPTICAL TRAPPING OF HYDROGEN MOLECULES IN A CRYOGENIC REGIME
3	Rudnicka	Zofia	HYPERPARAMETER OPTIMIZATION AND COMPARATIVE EVALUATION OF LEARNING ALGORITHMS FOR SPIKING NEURAL NETWORKS ON MNIST: A STUDY OF ANN-TO-SNN CONVERSION, SURROGATE GRADIENT BACKPROPAGATION, AND TEMPOTRON LEARNING
4	Vasanth Kumar	Kathirvelu	EYE IN MOTION: MAPPING OCULAR PULSATION WITH SS-OCT
5	Ziółkowski	Przemysław	ELECTROCHEMICAL PROPERTIES OF CARBON NANOTUBES AND GRAPHENE DECORATED WITH NANODIAMONDS

II SESSION (June 27, 2025, 10:00-10:45)

N ₀	Surname	Name	Title of the speech
1	Chuchała	Patrycja	SURVIVAL AND METABOLIC RESPONSE OF GLIOMA CELLS TO FLASH IRRADIATION: PRELIMINARY RESULTS FROM SF AND MTT ASSAYS
2	Murzyn	Aleksandra	EPR IMAGING AS A TOOL FOR QUANTITATIVE ASSESSMENT OF TUMOR TISSUE OXYGENATION IN VIVO
3	Gloc	Martyna	PHARMACEUTICAL CONTAMINANTS IN WASTEWATER: RISK ASSESSMENT AND BIODEGRADATION APPROACHES





XVIII KOPERNIKAŃSKIE SEMINARIUM DOKTORANCKIE

26-27 CZERWCA 2025



UNIWERSYTET
MIKOŁAJA KOPERNIKA
W TORUNIU

Wydział Chemii

III SESSION (June 27,2025, 11:15-12:45)

N ₀	Surname	Name	Title of the speech
1	Piotrowska	Aleksandra	ASSESSMENT OF THE FLAMMABILITY AND SMOKE EMISSION OF FLEXIBLE POLYURETHANE FOAMS DERIVED FROM A GREEN BIO-POLYOL
2	Domńska	Marlena	DARK FERMENTATION OF STARCH-BASED EFFLUENTS FOR HYDROGEN PRODUCTION
3	Kaczor	Daniel	BIODEGRADABLE COMPOSITES WITH CARBON NANOTUBES OBTAINED BY EXTRUSION
4	Grabiec	Radosław	ON STRAIN-RATE DEPENDENT MECHANICAL RESPONSE OF ADDITIVELY MANUFACTURED INCONEL 625 ALLOY
5	Eid	Mohanad	HALIDE PEROVSKITE SINGLE CRYSTALS AS EMERGING SCINTILLATORS FOR RADIATION DETECTION APPLICATIONS
6	Mientki	Mateusz	FABRICATION AND CHARACTERIZATION OF PROTOTYPE SOLAR CELLS BASED ON PEROVSKITE

