WORKSHOP OF STUDENTS' PRESENTATIONS 2026

„Membranes and Membrane Processes"

Date: **November 5, 2026**

Venue: **Membrane Innovation Centre, Pod Vinicí 87, Stráž pod Ralskem**

PROGRAM

9:00 – 9:25	**Registration**
9:25 – 9:30	**Opening of the workshop**
9:30 – 9:45	**Adeniyi Ajani (on-line)** SUSTAINABLE CO_2 SEQUESTRATION AND REAGENT RECOVERY VIA BIPOLAR MEMBRANE ELECTRODIALYSIS INTEGRATION
9:45 – 10:00	**Kateřina Zedníčková (on-line)** OPTIMIZATION OF THE EDBM PROCESS FOR DIFFERENT MEMBRANE AND SALT TYPES
10:00 – 10:15	**Denisa Olivová** DESALINATION PERFORMANCE OF DIFFERENT MEMBRANE TYPES FOR THE 2ND STAGE OF ELECTRODIALYSIS IN THE ZLD PROCESS
10:15 – 10:30	**Alice Kozická** EXTENDED CHARACTERIZATION OF ANION SELECTIVE MEMBRANES
10:30 – 10:45	**Šimon Vohlídal** EXPERIMENTAL VERIFICATION OF THE MAXIMUM NAOH CONCENTRATION ACHIEVABLE BY ELECTRODIALYSIS
10:45 – 11:00	**Coffee break**
11:00 – 11:15	**Tristan Muller (on-line)** ELECTRODIALYSIS WITH ULTRAFILTRATION MEMBRANES FOR BIOACTIVE PEPTIDE CHARGE-BASED FRACTIONATION FROM WATER LENTIL PROTEIN HYDROLYSATES
11:15 – 11:30	**Mahmoodzia Zamaninia** PROTIC IONIC LIQUID-MODIFIED PVDF: FROM DENSE SEALS TO EFFICIENT AMMONIA GAS SEPARATION
11:30 – 11:45	**Zdena Vorbová** ENANTIOSELECTIVE DNB-LEUCINE TRANSPORT THROUGH PVDF BASED MIXED MATRIX MEMBRANES AND THE INFLUENCE OF EXPERIMENTAL CONDITIONS
11:45 – 12:00	**Barbora Hermanová (on-line)** FROM CONVENTIONAL TO GREEN SOLVENTS: IMPACT ON CELLULOSE ACETATE FILM MICROSTRUCTURE
12:00 – 13:00	**Lunch break**

13:00 – 13:30	**Poster session**
13:00 – 13:05	**P 1 – Matěj Valta** POSSIBILITIES OF SEPARATING SILICA FROM SATURATED SOLUTIONS USING ELECTRODIALYSIS
13:05 – 13:10	**P 2 – Milana Dejaková** INFLUENCE OF PROCESS PARAMETERS ON THE SELECTIVITY OF MONOSELECTIVE MEMBRANES
13:10 – 13:15	**P 3 – Jan Heřmánek** MIXED MATRIX MEMBRANES BASED ON POLYIMIDES AND THIACALIXARENES
13:15 – 13:20	**P 4 – Filip Komers** PREPARATION AND CHARACTERIZATION OF CELLULOSE-BASED MEMBRANES FOR SUSTAINABLE WATER ELECTROLYSIS AND HYDROGEN PRODUCTION
13:20 – 13:25	**P 5 – Anfal Al-Samkri** TOWARDS SCALABLE, MULTIFUNCTIONAL MEMBRANES FOR SUSTAINABILITY
13:40 – 14:00	**Closing ceremony**