

FA&CE 2026 conference program

Venue: FaF UK, HK (Akademika Heyrovského 1203, Hradec Králové)

Date: 2/6/2026 (Tuesday)

8:30 – 9:10 **Registration**

9:00 – 9:10 **Opening ceremony**

9:10 – 12:00 **Session 1**

9:10 – 9:25 L01 M. Wozniakiewicz - CAPILLARY ELECTROPHORESIS IN THE AGE OF ARTIFICIAL INTELLIGENCE

9:25 – 9:40 L02 N. Teshima - ARE SAMPLE PRETREATMENTS NECESSARY IN FLOW CHEMICAL ANALYSIS?

9:40 – 9:55 L03 J. Lavická - ADVANCING GLYCAN ANALYSIS BY CE/LIF

9:55 – 10:10 L04 K. Strzelak - TAILOR-MADE MODULAR FLOW ANALYTICAL SYSTEMS FOR CLINICAL DIAGNOSTICS

10:10 – 10:25 L05 R. Chantiwas - CAPILLARY SURFACE FUNCTIONALIZATION FOR CONTROLLED ELECTROOSMOTIC FLOW AND ENHANCED SEPARATION PERFORMANCE

10:25 – 11:00 *Coffee break*

11:00 – 11:15 L06 J. Plotka-Wasyłka - GREEN WAY THROUGH A DIFFICULT TASK: A CE-UV METHOD FOR THE DETERMINATION OF CATECHOLAMINE METABOLITES IN COMPLEX SAMPLES?

11:15 – 11:30 L07 D. Cocovi-Solberg - PORTABLE LC WITH SAMPLE PREPARATION BASED ON BI AND SIC

11:30 – 11:45 L08 J. Mazina-Šinkar - CAPILLARY ELECTROPHORESIS IN FORENSIC DRUG ANALYSIS

11:45 – 12:00 L09 J. Barek - FLOW-THROUGH ANALYTICAL SYSTEMS AND MICROSYSTEMS WITH ELECTROCHEMICAL DETECTION FOR MONITORING OF BIOLOGICALLY ACTIVE SPECIES



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12:00 – 14:00 *Lunch* + **Poster session I (Posters P01 - P13)**

14:00 – 16:30 **Session 2**

- 14:00 – 14:15 L10 S. Kolev - A MICROFLUIDIC PAPER-BASED ANALYTICAL DEVICE (μ PAD) FOR FLUORIDE DETERMINATION
- 14:15 – 14:30 L11 M. Fiedoruk-Pogrebniak - NEW APPROACH TO REFERENCE AND ION-SELECTIVE ELECTRODES IN FILTER PAPER MATRIX
- 14:30 – 14:45 L12 Pa. Kubáň - LIQUID PHASE MICROEXTRACTION – CAPILLARY ELECTROPHORESIS FOR THE DIRECT ANALYSIS OF COMPLEX SAMPLES
- 14:45 – 15:00 L13 L. Kukoc - COMPARISON OF TWO FLOW METHODS FOR THE DETERMINATION OF ASCORBIC ACID IN PHARMACEUTICALS
- 15:00 – 15:30 *Coffee break*
- 15:30 – 15:45 L14 L. Pieszczek - REVISITING MULTI-WAVELENGTH DENSITOMETRIC MEASUREMENTS: A POWERFUL YET UNDERVALUED APPROACH TO HPTLC PLATE EXAMINATION
- 15:45 – 16:00 L15 M. Alimzhanova - HYPHENATED MICROEXTRACTION TECHNIQUES WITH FLOW SYSTEMS FOR ENVIRONMENTAL MONITORING OF PETROLEUM HYDROCARBONS
- 16:00 – 16:15 L17 P. Dadajová - CHARACTERIZATION OF LIPOSOME BEHAVIOR IN CARRIER AMPHOLYTE SOLUTIONS USING TAYLOR DISPERSION ANALYSIS

17:00 – 20:00 **Conference dinner (grill party)** – Garden of Medicinal Plants

Date: 3/6/2026 (Wednesday)



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8:30 – 9:00 **Registration**

9:00 – 12:00 **Session 3**

- 9:00 – 9:15 L18 M. Wieczorek - BEHIND THE SCENES OF BIOLOGICAL SAMPLE RESEARCH: BENEFITS OF INTEGRATING FLOW ANALYSIS WITH INDUCTIVELY COUPLED PLASMA MASS SPECTROMETRY (ICP-MS)
- 9:15 – 9:30 L19 H. Sklenářová - AUTOMATED SYSTEMS FOR MONITORING TESTS
- 9:30 – 9:45 L20 J. Labuda - NANOMATERIALS AND NANOTECHNOLOGIES IN NOVEL DETECTION SCHEMES OF JANUS KINASE INHIBITORS AND ANTIOXIDANTS
- 9:45 – 10:00 L21 S.A. Loog - ON-SITE SCREENING AND QUANTIFICATION OF CANNABINOIDS IN CANNABIS PRODUCTS USING CAPILLARY ELECTROPHORESIS – DEEP UV FLUORESCENCE
- 10:00 – 10:30 *Coffee break*
- 10:30 – 10:45 L22 P. Swit - A NEW CALIBRATION FRAMEWORK TO STUDY AND REDUCE INTERFERENCE IN CHROMATOGRAPHIC DETERMINATION OF ASCORBIC ACID
- 10:45 – 11:00 L23 A. Týčová - PUSHING THE LIMITS OF SURFACE-ENHANCED RAMAN SPECTROSCOPY (SERS) IN FLOWING SYSTEMS
- 11:00 – 11:15 L24 J. Přikryl - NON-INTUITIVE EFFECTS OF IONIC STRENGTH IN COUPLED ACID BASE EQUILIBRIA
- 11:15 – 11:30 L25 J. Pluta - A WHITE ANALYTICAL CHEMISTRY-BASED APPROACH TO OPTIMIZING CAPILLARY ELECTROPHORESIS METHODS FOR ORGANIC ACID ANALYSIS IN FUNCTIONAL FOODS SAMPLES
- 11:30 – 11:45 L26 J. Antos - AUTOMATED DES IN-SYRINGE EXTRACTION OF ANTIBIOTICS
- 11:45 – 12:00 L27 S. Lama - A MODULAR MICROFLUIDIC IR FLOW-CELL FOR INLINE AND IN-SITU REACTION MONITORING

12:00 – 14:00 *Lunch* + **Poster session II (Posters P14 – P26)**



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14:00 – 17:00 Session 4

14:00 – 15:00 L28 P. Chocholouš - BEAD INJECTION AS A TOOL FOR ONLINE SOLID PHASE EXTRACTION

15:00 – 16:00 L29 B. Horstkotte - 3D PRINTABLE AUTOSAMPLER FOR LAB-IN-SYRINGE AUTOMATION OF SAMPLE PREPARATION PROCEDURES

16:00 – 16:30 Panel discussion

16:30 – 17:00 Final remarks + closing ceremony



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