

PROGRAM

PONDĚLÍ – MONDAY 9.11.2026 DOPOLEDNE – MORNING	
8:00 – 9:00	Registrace – Registration
9:00 – 9:15	Zahájení konference – 25 let ČAS – Opening of the conference – 25 years of ČAS Jakub Ondráček
Soutěž o nejlepší přednášku mladých vědců – Dekati Award (zeleně – in green)	
Session chairwoman	Naděžda Zíková
9:15 – 9:30	LONG-TERM DECLINE IN CLOUD CONDENSATION NUCLEI NUMBER CONCENTRATIONS AT THE KOŠETICE BACKGROUND SITE Charlie ANDAN
9:30 – 9:45	RAINWATER CHEMISTRY AS AN INDICATOR OF AMBIENT ICE NUCLEATING PARTICLES? Joseph DURAT
9:45 – 10:00	AEROSOL-CLOUD INTERACTIONS AND THEIR EFFECTS ON PRECIPITATION Natália CHARVÁTOVÁ
Session chairman	Jakub Ondráček
10:00 – 11:00	PLENARY SPEAKER: OXIDATIVE POTENTIAL OF PM: TRANSITIONING FROM RESEARCH TO REGULATION Gaëlle UZU
11:00 – 11:40	COFFEE BREAK
Session chairwoman	Ludmila Mašková
11:40 – 11:55	OXIDATIVNÍ POTENCIÁL PM1 A PM10 S KYSELINOU ASKORBOVOU A DITHIOTHREITOLEM Hana HLAVÁČKOVÁ
11:55 – 12:10	EFFECT OF ATMOSPHERIC AGEING AND PAH DERIVATIVES ON AEROSOL OXIDATIVE POTENTIAL (OP) Puneet Kumar VERMA
12:10 – 12:25	NMR-OMICS FOR THE ANALYSIS OF WATER-SOLUBLE ORGANIC COMPOUNDS IN ATMOSPHERIC AEROSOL PARTICLES Eliška RÁDLOVÁ
12:25 – 13:55	OBĚD – LUNCH
PONDĚLÍ – MONDAY 9.11.2026 ODPOLEDNE – AFTERNOON	
Session chairman	Vladimír Ždímal
13:55 – 14:25	KEYNOTE: TRENDS IN CZECH OCCUPATIONAL DISEASES CAUSED BY INORGANIC DUSTS Daniela PELCLOVÁ
14:25 – 14:40	FROM OCCUPATIONAL NANOPARTICLE EXPOSURE TO EPIGENETIC MEMORY: INVESTIGATING MECHANISMS OF ADAPTIVE RESPONSE Pavel RÖSSNER

14:40 – 14:55	MI-TRAP: MITIGATING TRANSPORT-RELATED AIR POLLUTION IN EUROPE – FIRST RESULTS FROM THE PRAGUE 2026 CAMPAIGN Jakub ONDRÁČEK
14:55 – 15:10	ROADSIDE VERSUS ROAD-SURFACE POINT SAMPLING OF VEHICLE PARTICLE EMISSION FACTORS Michal SANETRŇÍK
15:10 – 15:25	ROADSIDE DRIVE-BY DETECTION OF DEFUNCT VEHICLE PARTICLE FILTERS: PRACTICAL DETECTION LIMITS AND REPEATABILITY OF MODERATE COST INSTRUMENTS Michal VOJTÍŠEK
15:25 – 16:05	COFFEE BREAK
Session chairman	František Lízal
16:05 – 16:20	THE NEW PARTICLE FORMATION AT TWO HEIGHTS UNDER DIFFERENT BOUNDARY LAYER AND CLOUD CONDITIONS Anna ŠPALOVÁ
16:20 – 16:35	EXPERIMENTAL EVALUATION OF NUCLEATION PHENOMENA IN AN OXIDATION FLOW REACTOR (DOFR™) Markus NIKKA
16:35 – 16:50	VERTICAL PROFILING OF ULTRAFINE PARTICLE NUMBER CONCENTRATIONS USING A PORTABLE WATER-BASED CPC Lucia BUSTIN
16:50 – 17:05	MEASUREMENT AND CALIBRATION PROCEDURES FOR ULTRAFINE PARTICLES IN EUROPE AND THE EUROPEAN RESEARCH INFRASTRUCTURE ACTRIS Alfred WIEDENSOHLER
17:05 – 17:20	AN ULTRAFINE AEROSOL CHARGING MODEL Oleksandr MOLCHANOV
17:20 – 17:55	Schůze výboru ČAS – CAS board meeting Jakub Ondráček
18:00 – 19:00	VEČEŘE – DINNER
19:15 – 20:45	PROHLÍDKA JIČÍNA S PRŮVODCEM (SKUPINA A) – GUIDED TOUR OF JIČÍN (GROUP A)
20:00 – 21:30	PROGRAM NA HVĚZDÁRNĚ JIČÍN (SKUPINA B) – PROGRAMME AT JIČÍN OBSERVATORY (GROUP B)

ÚTERÝ – TUESDAY 10.11.2026
DOPOLEDNE – MORNING

Session chairwoman	Petra Růžičková
9:00 – 10:00	PLENARY SPEAKER: INDOOR AIR QUALITY AND CHEMISTRY Šárka LANGER
Session chairwoman	Petra Vondráková Pokorná
10:00 – 10:15	VÝVOJ KVALITY OVZDUŠÍ VE STŘEDNÍ EVROPĚ BĚHEM UPLYNULÝCH DVOU DEKÁD Radek LHOTKA
10:15 – 10:30	PROJECT FOCI: NON-CO₂ FORCERS AND THEIR CLIMATE, WEATHER, AIR QUALITY AND HEALTH IMPACTS – FINAL OUTCOMES Tomáš HALENKA
10:30 – 10:45	FIRST NATIONAL-SCALE APPLICATION OF NONNEGATIVE MATRIX FACTORIZATION TO PM_{2.5} SOURCE APPORTIONMENT REVEALS WEST-EAST TRANSBOUNDARY ASYMMETRIES Radim SEIBERT
10:45 – 11:00	INTEGRATED SOURCE APPORTIONMENT OF AEROSOL IN THE PORT OF ROTTERDAM USING Q-ACSM, XACT AND AETHALOMETER MEASUREMENTS Štěpán HORNÍK
11:00 – 11:40	COFFEE BREAK
Session chairman	Radim Seibert
11:40 – 11:55	SPATIAL AND TEMPORAL TRENDS OF PERSISTENT ORGANIC POLLUTANTS ACROSS EUROPE AFTER 15 YEARS OF MONET PASSIVE AIR SAMPLING Petr KUKUČKA
11:55 – 12:10	WIDESPREAD DISTRIBUTION OF ORGANIC POLLUTANTS IS ENHANCED BY RE-VOLATILISATION FROM SOILS Gerhard LAMMEL
12:10 – 12:25	MONITORING ATMOSPHERIC MICROPLASTICS: COMPREHENSIVE ANALYTICAL SOLUTIONS USING PY-GC/MS AND LDIR Růžena PENÍŽKOVÁ
12:25 – 13:55	OBĚD – LUNCH

ÚTERÝ – TUESDAY 10.11.2026
ODPOLEDNE – AFTERNOON

13:55 – 15:15	POSTEROVÁ SEKCE S KÁVOU – POSTER SESSION WITH COFFEE
15:15 – 15:30	Vyhodnocení soutěže mladých vědců – DEKATI Award announcement Jakub Ondráček; Biowell (Dekati)
15:30 – 16:30	Členská schůze ČAS – Meeting of the CAS members Jakub Ondráček
19:00	SPOLEČENSKÝ VEČER – CONFERENCE DINNER

STŘEDA – WEDNESDAY 11.11.2026
DOPOLEDNE – MORNING

Session chairwoman	Iva Hůnová
9:00 – 9:15	METEOROLOGICAL EFFECTS ON THE VERTICAL VARIABILITY OF AEROSOL CHEMICAL COMPOSITION AT A RURAL BACKGROUND SITE Naděžda ZÍKOVÁ
9:15 – 9:30	VÝSLEDKY DVOULETÉHO MĚŘENÍ VERTIKÁLNÍ DISTRIBUCE AEROSOLŮ AEROSOLOVÝM HMOTNOSTNÍM SPEKTROMETREM NA OBSERVATOŘI KOŠETICE Petr VODIČKA
9:30 – 9:45	CHARACTERIZING VERTICALLY RESOLVED FRESH VS. AGED BIOMASS BURNING CARBONACEOUS AEROSOLS BASED ON TALL TOWER MEASUREMENTS Saliou MBENGUE
9:45 – 10:00	CHARACTERIZATION OF ATMOSPHERIC BOUNDARY LAYER HEIGHT UNDER VARIOUS ATMOSPHERIC STABILITY AND CLOUDINESS CONDITIONS AT THE NATIONAL ATMOSPHERIC OBSERVATORY KOŠETICE Kateřina KOMÍNKOVÁ
10:00 – 10:15	KONCENTRACE V RŮZNÝCH TEPLOTNÍCH TŘÍDÁCH NA NÁRODNÍ ATMOSFÉRICKÉ OBSERVATOŘI KOŠETICE Jan PACNER
10:15 – 10:55	COFFEE BREAK
Session chairman	Michal Vojtíšek
10:55 – 11:10	THE ROLE OF RIME ICE IN ATMOSPHERIC DEPOSITION PROCESSES Iva HŮNOVÁ
11:10 – 11:25	LONG-TERM OPERATION AND TESTING OF A STAND-ALONE AUTOMATED MEASURING SYSTEM FOR PM MEASUREMENTS UNDER HARSH METEOROLOGICAL CONDITIONS Tomáš PROKOP
11:25 – 11:40	AUTOMATED SEMI-CONTINUOUS DETERMINATION OF GASEOUS NITRIC AND NITROUS ACID IN AMBIENT AIR USING ION CHROMATOGRAPHY Lukáš ALEXA
11:40 – 11:55	PŘÍBĚH A VÝHODY REVOLUČNÍHO ŘEŠENÍ PRO FILTRACI VZDUCHU V INTERIÉRU OD NÁVRHU PO KOMERCIONALIZACI Max FRAENKL
11:55 – 12:10	Ukončení konference – Closing of the conference Jakub Ondráček
12:10 – 13:40	OBĚD – LUNCH

POSTERY – POSTERS

1	AEROSOLY POD MIKROSKOPEM – POPULARIZAČNÍ PROJEKT V KRAJI VYSOČINA Adéla HOLUBOVÁ ŠMEJKALOVÁ
2	ASOCIÁCIA KONCENTRÁCIÍ AEROSÓLU S PREVÁDZKOVOU ČINNOSŤOU V AREÁLI OBAĽOVAČKY ASFALTOVÝCH ZMESÍ Dušan JANDAČKA
3	FIELD MEASUREMENTS OF EMISSIONS FROM DOMESTIC SOLID FUEL BOILERS Kamil KŘŮMAL
4	FATE OF INHALED THERAPEUTIC AEROSOLS UNDER PATHOLOGICAL RESPIRATORY CONDITIONS: FROM ASTHMA AND DYSPNOEA TO DIGITAL MODELLING OF ARDS František LÍZAL
5	INTEGRATED MONITORING OF ORGANIC POLLUTANTS IN THE KOŠETICE OBSERVATORY REGION (1988 – 2025) Jakub MARTINÍK
6	HYGROSCOPIC GROWTH OF LACTOSE PARTICLES UNDER PHYSIOLOGICALLY RELEVANT CONDITIONS Ludmila MAŠKOVÁ
7	FACTORS SHAPING HOURLY PM₁₀ VARIABILITY IN A COMPACT RURAL SETTLEMENT DURING THE WARM SEASON Tomasz OLSZOWSKI
8	FLUXPRISM – AN ATMOSPHERIC GREENHOUSE GAS MONITORING NETWORK Roman PROKEŠ
9	PARALELNÍ MĚŘENÍ VE VODĚ ROZPUSTNÝCH LÁTEK V PM₁ VE DVOU VÝŠKÁCH Jaroslav SCHWARZ
10	FROM LABORATORY TO FIELD MEASUREMENTS: A MOBILE EXPOSURE LABORATORY Jitka SIKOROVÁ
11	ATMOSPHERIC FATE OF CURRENT-USE PESTICIDES – TRENDS AND AIR-SOIL EXCHANGE Puneet Kumar VERMA
12	MULTI-SITE VS. SUPERSITE AEROSOL SOURCE APPORTIONMENT IN A LIGNITE BASIN AREA Petra VONDRÁKOVÁ POKORNÁ
13	VERTICAL GRADIENT OF TOTAL GASEOUS MERCURY IN RELATION TO ATMOSPHERIC CONDITIONS Gabriela VÍTKOVÁ
14	EFFECTS OF POST-COMBUSTION AMMONIA AND ASH-FORMING LUBRICATING OIL ADDITION ON TOXICITY OF MARINE ENGINE EMISSIONS AND SECONDARY AEROSOL FORMATION Táňa ZÁVODNÁ