

ICCPA

12th International
Conference on
Carbonaceous Particles
in the Atmosphere

03.-06.04.2019, Vienna (Austria)

www.iccpa.net

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Program



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Vienna University of Technology

Dear colleagues,

It is our great pleasure to welcome you to the 12th *International Conference on Carbonaceous Particles in the Atmosphere* (ICCPA) in Vienna, Austria.

Between 3 and 6 April 2019, the 12th ICCPA aims to bring together scientists from Europe, the U.S. and other parts of the world to share their interests in the field of aerosol science, and in particular in carbonaceous aerosols.

The first “*Carbon Conference*” was held in Berkeley in 1978. Later, this series was continued with alternating conferences in the U.S. and Austria. The 40-year history of the “*Carbon Conferences*” illustrates the growing interest and knowledge about carbonaceous particulate matter in the atmosphere.

The 12th ICCPA in 2019 attracted participants from 25 countries, presenting 54 oral lectures and 78 posters. It proceeds with the traditional setting of single-track platform presentations and is complemented by three poster sessions facilitating ample discussions.

The conference takes place at Palais Eschenbach (Eschenbachgasse 11, 1010 Vienna) located in the heart of Vienna, near the MuseumsQuartier, the Hofburg, and the famous Ringstraße.

We would like to thank the team of the *Conference and Event Management* at the University of Vienna, members of our research groups, local staff, participants, the scientific committee, session chairs, the keynote speaker, and our sponsors for helping us to build this exciting conference program. Special thanks go to Nikolaus Fölker (University of Vienna) for his support with the website, layout, program book, and administrative tasks, and to Yiji Lin (TU Wien) for preparing the book of abstracts.

We wish you an interesting and inspiring meeting and hope that you will enjoy your stay in Vienna.

Yours sincerely,

Anne Kasper-Giebl
(TU Wien)

Hinrich Grothe
(TU Wien)

Bernadett Weinzierl
(University of Vienna)

Conference Chairs

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Joshua SCHWARZ (Boulder, USA)

Jian Zhen YU (Hong Kong, CHINA)

Program

Schedule overview

Program

Wednesday 3 April	Thursday 4 April	Friday 5 April	Saturday 6 April
	09:00-09:05 Welcome	09:00-10:30 Session 3	09:00-10:30 Session 5 & 6
	09:05-09:35 Keynote lecture	<i>Source characterization and source apportionment</i>	<i>Bioaerosols & Carbonaceous CCN and INPs</i>
	09:35-10:20 Session 1 <i>Secondary organic aerosol formation</i>		
	10:20-10:45 Coffee break	10:30-11:00 Coffee break	10:30-10:45 Coffee break
	10:45-12:15 Session 2 <i>Analytical techniques and methods</i>	11:00-12:15 Session 3 (continued) <i>Source characterization and source apportionment</i>	10:45-12:15 Poster session 3 <i>Bioaerosols & Carbonaceous CCN and INPs & Optical properties of carbonaceous aerosols, radiative forcing and climate</i>
	12:15-14:00 Lunch break	12:15-14:00 Lunch break	12:15-14:00 Lunch break
	14:00-15:30 Poster session 1 <i>Secondary organic aerosol formation & Analytical techniques and methods</i>	14:00-15:30 Session 4 <i>Aerosol concentrations, trends and transport – measurements and models</i>	14:00-15:30 Session 6 & 7 <i>Carbonaceous CCN and INPs & Optical properties of carbonaceous aerosols, radiative forcing and climate</i>
	15:30-15:45 Coffee break	15:30-16:00 Coffee break	15:30-15:45 Coffee break
	15:45-17:15 Session 2 (continued) <i>Analytical techniques and methods</i>	16:00-17:00 Session 4 (continued) <i>Aerosol concentrations, trends and transport – measurements and models</i>	15:45-17:00 Session 7 <i>Optical properties of carbonaceous aerosols, radiative forcing and climate</i>
18:00-22:00 Registration, welcome and ice breaker	19:30 Evening reception at Vienna City Hall	17:00-18:30 Poster session 2 sponsored by Met One <i>Source characterization and source apportionment & Aerosol concentrations, trends and transport – measurements and models</i>	

Wednesday, 3 April 2019 (TUtheSky)

18:00-22:00 Registration, welcome and ice breaker
 TU-Wien, TUtheSky, Getreidemarkt 9/BA, 11th floor, 1060 Vienna

Thursday, 4 April 2019 (Palais Eschenbach)

09:00-09:05 Welcome

09:05-09:35 Keynote lecture:
 Chemical characterization of biogenic secondary organic aerosol:
 historic account, current status and prospects
Claeys, Magda (University of Antwerp, Belgium)

09:35-10:20 Session 1: *Secondary organic aerosol formation*

09:35-09:50 Implications of photochemical ageing for source apportionment and health effects of wood combustion aerosol 1-1

Czech, Hendryk (University of Rostock, Germany); T. Miersch; A. Hartikainen; M. Ihalainen; S. Di Bucchianico; J. Orasche; G. Abbaszade; S. Öder; J. Tissari; T. Streibel; J. Jokiniemi; O. Sippula and R. Zimmermann

09:50-10:05 The intriguing role of nitrous acid in atmospheric aqueous-phase formation of nitrocatechols under nighttime conditions 1-2

Vidovic, Kristijan Kristijan (National Institute of Chemistry, Slovenia); D. Lašič Jurkovic; M. Šala; A. Kroflic and I. Grgic

10:05-10:20 Online quantification of Reactive Oxygen Species (ROS) in atmospheric aerosol: results from field and laboratory experiments 1-3

Kalberer, Markus (University of Basel, Switzerland); S. Steimer; J. Zhang; S. Campbell; J. Westwood; B. Uttinger and P. Gallimore

10:20-10:45 Coffee break

10:45-12:15 Session 2: *Analytical techniques and methods (part 1)*

10:45-11:00 Application of Spin Traps to Detect Reactive Intermediates and Reactive Oxygen Species in Secondary Organic Aerosol 2-1

Campbell, Steven (Universität Basel, Switzerland); P. Gallimore; C. Giorio; S. Stevanovic; B. Miljevic; S. Bottle; Z. Ristovski and M. Kalberer

11:00-11:15 Chemical characterization of laboratory-generated tar ball particles 2-2

Tóth, Ádám (University of Pannonia, Hungary); A. Hoffer; M. Pósfai; T. Ajtai; Z. Kónya; M. Blazsó; Z. Czégény; G. Kiss; Z. Bozóki and A. Gelencsér

11:15-11:30 Micro-Raman Spectroscopy as a vibrational probe to reveal soot nanostructure 2-3

Pirim, Claire (Université der Lille, France); R. Ikhenazene; Y. Carpentier; J. Noble; C. Irimiea; I.-K. Ortega; M. Ziskind; C. Focsa and B. Chazallon

Thursday, 4 April 2019 (Palais Eschenbach)		
11:30-11:45	Secondary ion mass spectrometry and combustion: finding trends in soot nucleation and growth C. Irimiea; Faccineto, Alessandro (University of Lille, France) ; X. Mercier; I.-K. Ortega; N. Nuns; E. Therssen; P. Desgroux and C. Focsa	2-4
11:45-12:00	Exploiting the features of multi- λ polar photometers to retrieve optical properties of aerosols collected on filters Vecchi, Roberta (University of Milan, Italy) ; V. Bernardoni; A. Forello; D. Massabò; P. Prati; F. Soldan; S. Valentini and G. Valli	2-5
12:00-12:15	The Single Particle Soot Photometer - Extended Range (SP2-XR) for black carbon measurements: an extensive comparison with the SP2 Bertò, Michele (Paul Scherrer Institute, Switzerland) ; R.L. Modini; M. Zanatta; J. Yuan; A. Marinoni; M. Ess; H. Schulz; A. Herber; A. Attwood; D. Orsini; F. Velarde; M. Andrade; B. Wehner; T. Müller; K. Vasilatou; P. Ginot; P. Laj and M. Gysel-Beer	2-6
12:15-14:00	Lunch break	
14:00-15:30	Poster session 1: Secondary organic aerosol formation & Analytical techniques and methods (p. 12) For poster plan, see p. 19. Enjoy the posters!	
15:30-15:45	Coffee break	
15:45-17:15	Session 2: Analytical techniques and methods (part 2)	
15:45-16:00	Assessment of Light Absorbing Carbon measurements on PTFE filters by the Multi-wavelength Absorption Black Carbon Instrument (MABI) Eleftheriadis, Konstantinos (NCSR Demokritos, Greece) ; V. Vasilatou; A.-C. Kalogridis; E. Diapoulis; M. Manousakas and D. Cohen	2-7
16:00-16:15	Comparison of co-located rBC and EC mass concentration measurements from field campaigns at several European sites Pileci, Rosaria Erika (Paul Scherrer Institute & Brugg AG, Switzerland) ; Y. Jinfeng; M. Bertò; J.C. Corbin; A. Marinoni; B. Henzing; G. Spindler; A. Trentini; M. Zanatta; U. Baltensperger; M. Gysel-Beer and R.L. Modini	2-8
16:15-16:30	On-road chasing method evaluation with PEMS Jezek, Irena (Aerosol d.o.o., Slovenia) ; S. Opresnik-Rodman; A. Brozic; T. Katrasnik and G. Mocnik	2-9
16:30-16:45	Organic matter exchange at the cryosphere-atmosphere interface Materic, Dusan (Utrecht University, Netherlands) ; E. Ludewig; T. Röckmann and R. Holzinger	2-10

Thursday, 4 April 2019 (Palais Eschenbach)

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|-------------|--|------|
| 16:45-17:00 | <p>Twin-plate ice nucleation assay (TINA) with infrared detection for high-throughput droplet freezing experiments with biological ice nuclei in laboratory and field samples</p> <p><u>Kunert, Anna T. (MPI for Chemistry Mainz, Germany)</u>; M. Lamneck; F. Helleis; U. Pöschl; M.L. Pöhlker and J. Fröhlich-Nowoisky</p> | 2-11 |
| 17:00-17:15 | <p>Chromatographic Separation and Wet Oxidation of Oxalic Acid from Aerosols for Radiocarbon Source Apportionment</p> <p><u>Rauber, Martin (University of Bern, Switzerland)</u>; C. Uglietti; G. Salazar and S. Szidat</p> | 2-12 |

19:00 Evening reception (Vienna City Hall)

Rathaus Wien, Friedrich-Schmidt-Platz 1, 1010 Wien

Entrance is located at Lichtenfelsgasse 2 (Staircase 1), 1010 Vienna

Do not forget to bring the official tickets provided in your conference package.

Friday, 5 April 2019 (Palais Eschenbach)			
09:00-10:30 Session 3: <i>Source characterization and source apportionment (part 1)</i>			
09:00-09:15	Sources of Carbonaceous Aerosols in Urban and Rural Ireland <u>Buckley, Paul (University College Cork, Ireland); I. O'Connor; E. McGillicuddy; J. Arndt; S. Hellebust and J. Wenger</u>	3-1	
09:15-09:30	Chemical and optical characterisation of winter rural aerosol <u>Kiss, Gyula (MTA-PE, Hungary); A. Hoffer; G.A. Gunarto; F. Kun-Szabó; K. Labancz and T. Ajtai</u>	3-2	
09:30-09:45	Long-term trend of black carbon (BC) from fossil fuel combustion and wood burning emissions in Switzerland <u>Hueglin, Christoph (EMPA, Switzerland); A. Fischer; J.-L. Jaffrezou; L. Emmenegger</u>	3-3	
09:45-10:00	PAH emission patterns from different domestic firewood combustion devices <u>Kirchsteiger, Bernadette (TU Wien, Austria); M. Kistler; T. Steinkogler; F. Kubik; H. Stessler; R. Sturmlechner; J. Kelz and A. Kasper-Giebl</u>	3-4	
10:00-10:15	Source contributions to carbonaceous aerosol after the Beijing coal burning ban - insights from size resolved radiocarbon measurements <u>Dusek, Ulrike (University of Groningen, Netherlands); R.-J. Huang; H. Ni and M. Cosijn</u>	3-5	
10:15-10:30	High time resolution measurement and source apportionment of TC, BC and OC, EC <u>Rigler, Martin (Aerosol d.o.o., Slovenia); L. Drinovec; O. Favez; D. Green; A. Vlachou; G. Stefenelli; J. Slowik; A. Prevot; C. Hüglin; I. Stavroulas; J. Sciare; S. Hasheminassab; A. Hansen and G. Mocnik</u>	3-6	
10:30-11:00	Coffee break		
11:00-12:15 Session 3: <i>Source characterization and source apportionment (part 2)</i>			
11:00-11:15	Emission factors and chemical composition of laboratory-generated fresh and aged biomass burning aerosols <u>Khlystov, Andrey (Desert Research Institute Reno, USA); V. Samburova; D. Sengupta; C. Bhattarai; A. Watts and H. Moosmüller</u>	3-7	
11:15-11:30	Impact of alternative jet fuels on aircraft particle emissions in cruise <u>Sauer, Daniel (DLR, Germany); H. Schlager; B.E. Anderson; P. Le Clercq; C. Heckl; R.H. Moore; M. Scheibe; M. Shook; E. Winstead; K.L. Thornhill and L. Ziemba</u>	3-8	

Friday, 5 April 2019 (Palais Eschenbach)		
11:30-11:45	Potential contribution of animal faeces to resuspended PM1-10 in urban environment <u>Jancsek-Turóczi, Beatrix (University of Pannonia, Hungary); A. Hoffer; K. Krassován; A. Tóth and A. Gelencsér</u>	3-9
11:45-12:00	Spring aerosol in urban atmosphere: analytical and statistical assessment for source impacts <u>Padoan, Sara (Universität der Bundeswehr München, Germany); O. Popovicheva; J. Schnelle-Kreis; D.-L. Nguyen; M. Kistler; A. Kasper-Giebl and N. Chubarova</u>	3-10
12:00-12:15	Incorporating Hopane Degradation into Chemical Mass Balance Source Apportionment of PM2.5 <u>Yu, Jian Zhen (The Hong Kong University of Science and Technology, China)</u>	3-11
12:15-14:00	Lunch break	
14:00-15:30	Session 4: <i>Aerosol concentrations, trends and transport – measurements and models (part 1)</i>	
14:00-14:15	Pre-industrial to industrial changes of carbonaceous particles (OC, EC/BC) from glacier ice cores <u>Jenk, Theo (Paul Scherrer Institute, Switzerland); F. Cao; L. Fang; M. Sigl; D. Osmont; S. Szidat and M. Schwikowski</u>	4-1
14:15-14:30	15 year long-term trend of OC and EC in PM at Melpitz site in Germany using an inter-comparison of thermographic and thermo-optical data <u>Spindler, Gerald (TROPOS, Germany), Anke Rödger; Laurent Poulain and Hartmut Herrmann</u>	4-2
14:30-14:45	Black Carbon in Saharan and Arabian Dust Layers during A-LIFE <u>Heimerl, Katharina (University of Vienna, Austria); M. Teri; M. Dollner; J. Gasteiger; M. Schöberl; P. Seibert; A. Philipp and B. Weinzierl</u>	4-3
14:45-15:00	Properties of black carbon particles in biomass burning plumes <u>Holanda, Bruna (MPI for Chemistry Mainz, Germany); M. Pöhlker; O. Krüger; T. Klimach; L. Krempner; F. Ditas; J. Ditas; Y. Cheng; N. Ma; L. Machado; J. Saturno; D. Sauer; H. Su; D. Walter; Q. Wang; J. Schneider; S. Borrmann; J. Williams; M., Wendisch; H. Fischer; J. Lelieveld; P. Artaxo; U. Pöschl; M.O. Andreae and C. Pöhlker</u>	4-4
15:00-15:15	Black carbon particles in the northern hemispheric lowermost stratosphere <u>Ditas, Jeannine (Jinan University, China & MPI for Chemistry Mainz, Germany); Ma, Nan; Y. Zhang; S. Wang; C. Pöhlker; B.A. Holanda; M. Pöhlker; F. Ditas; D. Assmann; M. Neumaier; H. Riede; E. Karu; J. Williams; D. Scharffe; Q. Wang; J. Saturno; J.P. Schwarz; J.M. Katich; G.R. McMeeking; A. Zahn; M. Hermann C.A.M. Brenninkmeijer; M.O. Andreae; U. Pöschl; H. Su and Y. Cheng</u>	4-5

Friday, 5 April 2019 (Palais Eschenbach)		
15:15-15:30	Improvement of Black Carbon emissions and modelled concentrations in Germany <u>Manders, Astrid (TNO Utrecht, Netherlands)</u> ; R. Timmermans; R. Kranenburg; A. Visschedijk; J. Kuenen; K. Hausmann and M. Schaap	4-6
15:30-16:00	Coffee break	
16:00-17:00	Session 4: <i>Aerosol concentrations, trends and transport – measurements and models (part 2)</i>	
16:00-16:15	Occurrence of PAHs and new tracer of polyethylene plastic combustion, 1,3,5-triphenylbenzene in PM10 collected in residential area of Krakow agglomeration, South Poland <u>Furman, Przemyslaw (AGH University of Science and Technology, Poland)</u> ; K. Stysko; A. Skiba; M. Kistler; A. Kasper-Giebl and D. Zieba	4-7
16:15-16:30	Polycyclic aromatic hydrocarbons (PAHs) and their nitrated and oxygenated derivatives in air of the Arabian Basin <u>Wietzorek, Marco (MPI for Chemistry Mainz, Germany)</u> ; B.A.M. Bandowe; M. Iakovides; P. Kukucka; J. Kuta; M. Kyprianou; B. Nežiková; P. Příbylová; R. Prokeš; E. Stephanou; H. Harder; J. Lelieveld; U. Pöschl and G. Lammel	4-8
16:30-16:45	Temperature effect on phase state and reactivity controls atmospheric multiphase chemistry and transport of PAHs Q. Mu; M. Shiraiwa; M. Octaviani; N. Ma; A. Ding; <u>Su, Hang (MPI for Chemistry Mainz, Germany)</u> ; G. Lammel; U. Poeschl and Y. Cheng	4-9
16:45-17:00	Chemical characterization of size-selected carbonaceous particles emitted by internal combustion engines D. Duca; J. Noble; Y. Carpentier; M. Vojkovic; A. Manz; R. Grzeszik; T. Tritscher; J. Spielvogel; S. Legendre; C. Pirim and <u>Focsa, Cristian (University of Lille, France)</u>	4-10
17:00-18:30	Poster session 2: <i>Source characterization and source apportionment & Aerosol concentrations, trends and transport – measurements and models (p. 14)</i> For poster plan, see p. 19.) MetOne invites you for a snack. Drinks are provided by ICCPA. Enjoy the posters!	

Saturday, 6 April 2019 (Palais Eschenbach)		
09:00-10:30	Session 5 & 6: <i>Bioaerosols & Carbonaceous CCN and INPs</i>	
09:00-09:15	Potential role of the cloud microbiota in atmospheric chemistry <u>Delort, Anne-Marie (Institute of Chemistry of Clermont-Ferrand, France)</u>	5-1
09:15-09:30	The microbial Ecology of Aerosols in the East Mediterranean <u>Gat, Daniella (Weizmann Institute of Science, Israel)</u> ; E. Cytryn and Y. Rudich	5-2
09:30-09:45	A Newly Developed, Inexpensive Single-Particle Fluorescence Spectrometer: Characterization and Application to Handheld Bioaerosol Analysis B. Swanson; D.R. Huffman and <u>Huffman, J. Alex (University of Denver, USA)</u>	5-3
09:45-10:00	Freezing activity and fluorescence measurements of ice nucleating macromolecules from birch trees <u>Bieber, Paul (TU Wien, Austria)</u> , T.M. Seifried and H. Grothe	6-1
10:00-10:15	Impact of subpollen particles on ice nucleation in clouds <u>Werchner, Sven (KIT, Germany)</u> ; C. Hoose; A. Pauling; H. Vogel and B. Vogel	6-2
10:15-10:30	A comprehensive characterization of ice nucleation by three different types of cellulose particles <u>Möhler, Ottmar (KIT, Germany)</u> and N. Hiranuma	6-3
10:30-10:45	Coffee break	
10:45-12:15	Poster session 3: <i>Bioaerosols & Carbonaceous CCN and INPs & Optical properties of carbonaceous aerosols, radiative forcing and climate</i> (p. 16) For poster plan, see p. 19. Enjoy the posters!	
12:15-14:00	Lunch break	
14:00-15:30	Session 6 & 7: <i>Carbonaceous CCN and INPs & Optical properties of carbonaceous aerosols, radiative forcing and climate</i>	
14:00-14:15	Cloud processing of soot particles and the effect on ice nucleation in subsequent cloud formation cycles F. Mahrt; K. Kilchhofer and <u>Kanji, Zamin (ETH Zurich, Switzerland)</u>	6-4
14:15-14:30	Airborne ice nucleating particles in a combined event of biomass burning and mineral dust storm in Israel <u>Rudich, Yinon (Weizmann Institute, Israel)</u>	6-5
14:30-14:45	Closure study between observed and predicted activation of black carbon containing particles to droplets in fog and clouds <u>Gysel-Beer, Martin (Paul Scherrer Institute, Switzerland)</u> ; G. Motos; J.C. Corbin; M. Zanatta; U. Baltensperger; R.L. Modini and J. Schmale End CCN/INP – Start Optical properties	6-6

Saturday, 6 April 2019 (Palais Eschenbach)		
14:45-15:00	Mixing state and hygroscopicity of black carbon aerosol in severe haze in the North China Plain <u>Ma, Nan (Jinan University, China)</u> ; J. Hong; X. Pan; W. Dong; S. Zhu; J. Tao; Y. Kuang; H. Su; Y. Cheng	7-1
15:00-15:15	High time-resolved optical and chemical characterisation of wintertime aerosol in Rome (Italy): case studies <u>Valentini, Sara (University of Milan, Italy)</u> ; V. Bernardoni; G. Calzolari; F. Costabile; L. Di Liberto; G.P. Gobbi; M. Gualtieri; F. Lucarelli; S. Nava; E. Petralia; G. Valli and R. Vecchi	7-2
15:15-15:30	Continuous observations of aerosol optical and chemical properties in Western Europe at the Juelich Meteo Tower - Results from the first full year <u>Bundke, Ulrich (FZ-Juelich, Germany)</u> ; J. de Faria; S. Schmitt; T. Mentel; T.B. Onasch; A. Freedman; A. Kiendler-Scharr and P. Petzold	7-3
15:30-15:45	Coffee break	
15:45-17:00	<i>Session 7: Optical properties of carbonaceous aerosols, radiative forcing and climate</i>	
15:45-16:00	Multi-wavelength aerosol absorption coefficient measurements: instrument inter-comparison and results of source and source-component modelling <u>Bernardoni, Vera (University of Milan & INFN Milan, Italy)</u> ; L. Ferrero; F. Soldan; S. Valentini; D. Massabò; G. Mocnik; A. Gregoric; M.A. Cataldi; E. Bolzacchini; P. Prati; G. Valli and R. Vecchi	7-4
16:00-16:15	Optical Characterization of Fresh and Photochemically-Aged Aerosols Emitted from Laboratory Siberian Peat Burning M. Iaukea-Lum; C. Bhattarai; D. Sengupta; V. Samburova; A. Khlystov; A. Watts; P. Arnott and <u>Moosmüller, Hans (Desert Research Institute Reno, USA)</u>	7-5
16:15-16:30	Experimental determination of black and brown carbon heating rate from mid-latitudes to the Arctic ocean, and related energy gradient <u>Ferrero, Luca (GEMMA Centre, DISAT, University of Milano-Bicocca, Italy)</u> ; M. Cataldi; G. Mocnik; A. Gregoric; P. Markuszewski; P. Makuch; P. Pakszys; T. Petelski; E. Bolzacchini; T. Zielinski, Tymon	7-6
16:30-16:45	Investigation of enhancement in the mass absorption cross-section of black carbon aerosols (MACBC) at a rural site in central Europe (Melpitz, Germany) <u>Yuan, Jinfeng (Paul Scherrer Institute, Switzerland)</u> ; R. Modini; M. Zanatta; A. Herber; T. Müller; B. Wehner; U. Baltensperger and M. Gysel-Beer	7-7

Saturday, 6 April 2019 (Palais Eschenbach)

16:45-17:00 Internal fields in soot fractal aggregates and the RDG approximation 7-8

Berg, Matthew (Kansas State University, USA) and C. Sorensen

End of ICCPA

Poster session 1: Thursday, 4 April, 14:00-15:30 (Palais Eschenbach)

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| New Aspect of Aqueous-Phase Nitration of Methylcatechol by Means of Electrochemistry
<u>Grgic, Irena (National Institute of Chemistry, Slovenia); K. Vidovic; P. Jovanovic; A. Kroflic and M. Šala</u> | P1-1 |
| Quantification of Primary and Secondary Organic Aerosol Particles collected in remote North Western Vietnam during pre-monsoon season
<u>Dac-Loc, Nguyen (Helmholtz-Zentrum München, Germany); G. Engling, X.-A. Nguyen, N. Bukowiecki, G. Abbaszade, J. Orasche, J. Schnelle-Kreis and R. Zimmermann</u> | P1-2 |
| Persistent indoor secondary organic aerosol formation due to a single usage of a kitchen detergent
<u>Schwarz, Jaroslav (Institute of Chemical Process Fundamentals CAS, Czech Republic); O. Makes, J. Ondracek, M. Cusack, N. Talbot, P. Vodicka, L. Kubelova and V. Zdimal</u> | P1-3 |
| New Particle Formation and Sub-10nm Size Distribution Measurements in Paphos, Cyprus, during the A-LIFE field experiment
<u>Brilke, Sophia (University of Vienna, Austria); N. Folker, X. Gong, K. Kandler, N. Ma, T. Müller, J. Peischl, A. Philipp, P. Seibert, B. Weinzierl and P. Winkler</u> | P1-4 |
| Laser desorption of aromatic compounds from carbonaceous aerosol surrogates and determination of their adsorption energy
<u>Focsa, Cristian (University of Lille, France); D. Duca, M. Vojkovic, Y. Carpentier, A. Faccinnetto, M. Ziskind and C. Pirim</u> | P1-5 |
| Comparison of ICP-MS and LA-ICP-MS Methods for the Determination of Elemental Composition of PM10
<u>Ogrizek, Monika (National Institute of Chemistry, Slovenia); M. Šala and A. Kroflic</u> | P1-6 |
| Methods for the separation of gaseous and particulate-bound species in combustion emissions
<u>Carpentier, Yvain (Universite de Lille, France); L. D. Ngo, D. Duca, J. A. Noble, M. Vojkovic, C. Pirim, C. Irimiea, A. Faccinnetto, E. Therssen, P. Desgroux2, J. Yon and C. Focsa</u> | P1-7 |
| Evaluation of the Aerosol Dynamics Inc. concentrator for Aerosol Chemical Speciation Monitor
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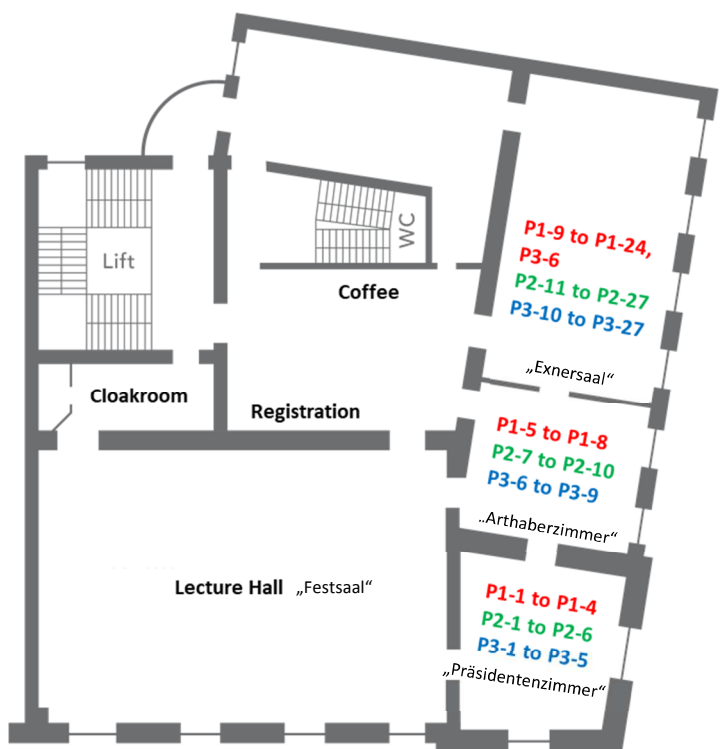
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Poster plan (Palais Eschenbach)



Floor plan (Palais Eschenbach)

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Poster session 2: Friday, 5 April 2019 (17:00-18:30) [Posters **P2-1 to P2-27**]

Poster session 3: Saturday, 6 April 2019 (10:45-12:15) [Posters **P3-1 to P3-27**]

Please mount your posters in the morning of the respective day and leave them displayed until the end of that conference day.

Poster **P3-6 will be presented on **Thursday** and only be displayed on **Saturday**.*

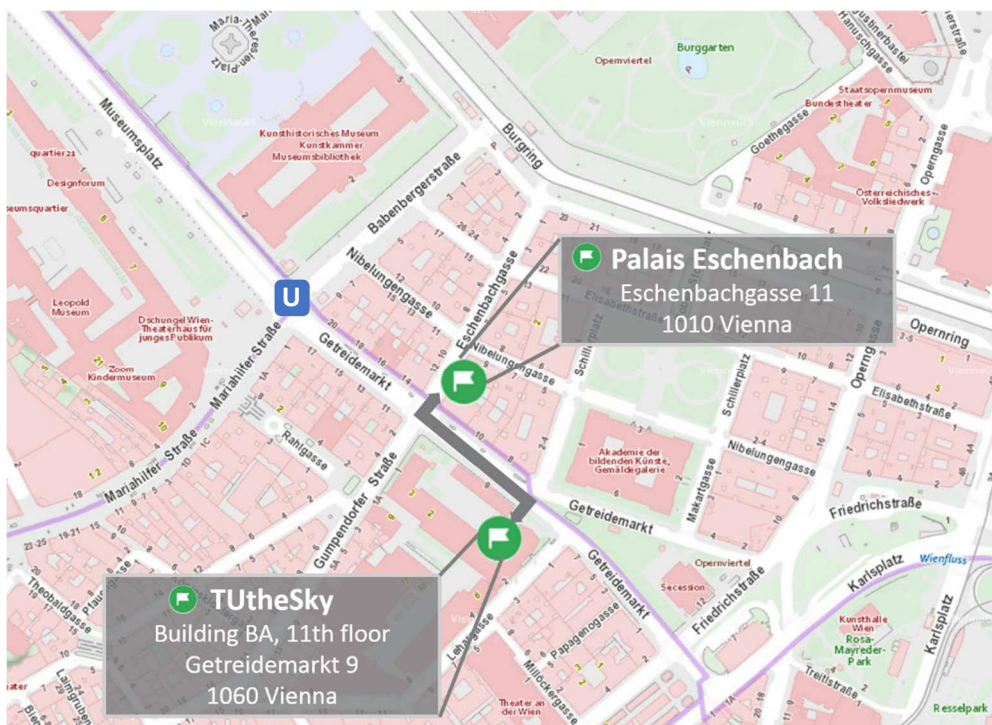
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TUtheSKY, Building BA, 11th floor, Getreidemarkt 9, 1060 Vienna (Subway station: MuseumsQuartier)

Converence venue & poster exhibition site:

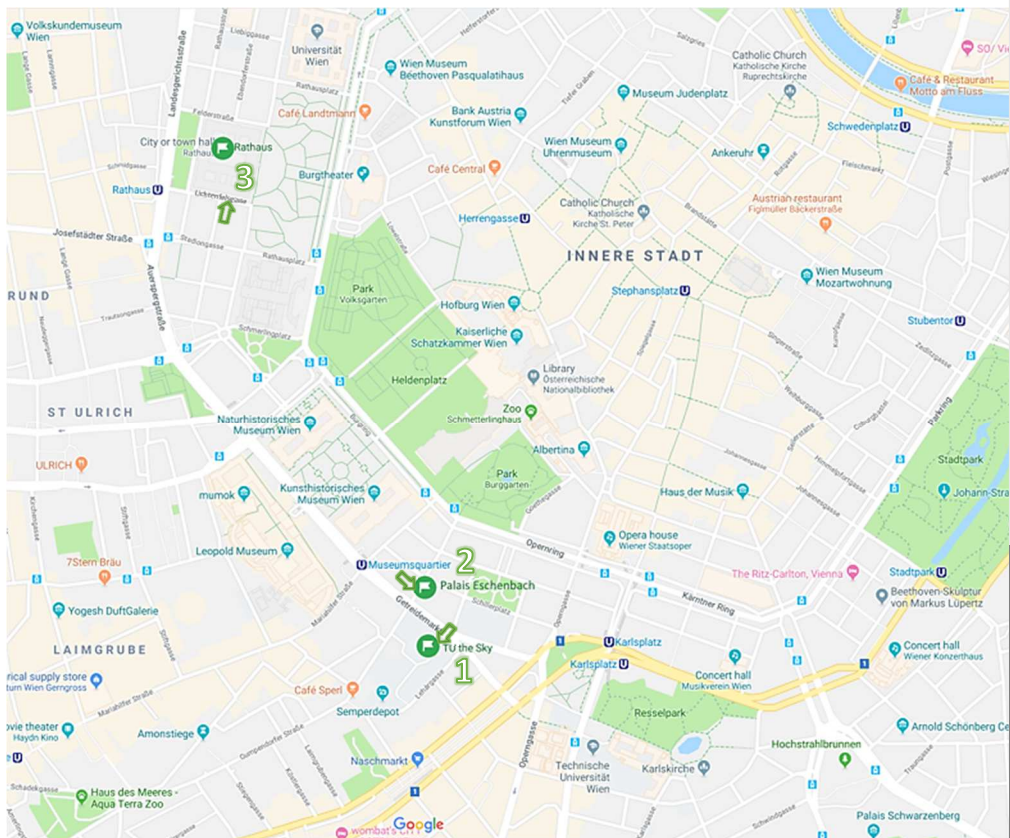
Palais Eschenbach, Eschenbachgasse 11, 1010 Vienna (Subway station: MuseumsQuartier)



Evening reception: (for location on city map, please see p. 21)

Rathaus/City Hall, Lichtenfelsgasse 2, Staircase 1, 1010 Vienna (Subway station: Rathaus)

Location map



- ➊ Registration/welcome/ice breaker: TUtheSky (Getreidemarkt 9/BA, 11th floor, 1060 Vienna)
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- ➌ Evening reception: Rathaus/City Hall (Lichtenfelsgasse 2, Staircase 1, 1010 Vienna)

The arrow ➡ points to the location of the entrance.

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Evening reception at Vienna City Hall

On Thursday, 4 April 2019, there will be a cocktail reception at Vienna City Hall hosted by the Mayor and Governor of Vienna.

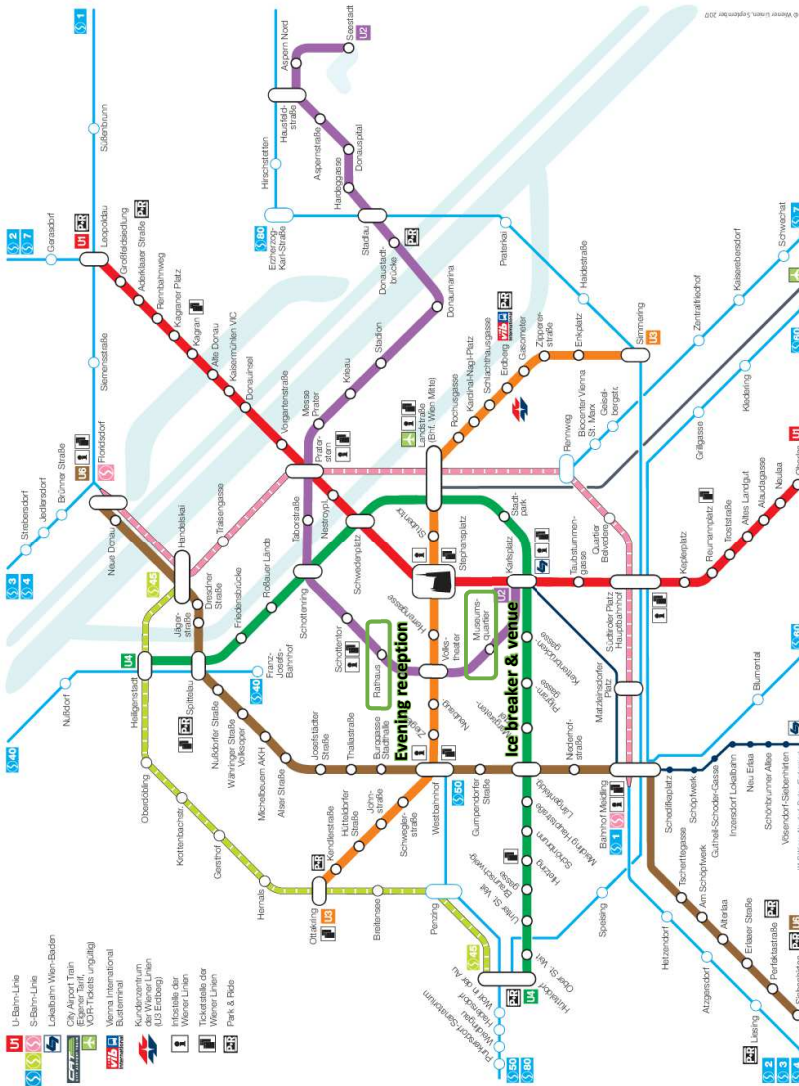
The entrance is located at (see map on page 21):

Lichtenfelsgasse 2

Staircase 1

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