



**Wednesday 6 April**

11:00	Registration, Tea and Coffee	
12:00	Lunch	
12:45	<b>Welcome and Introductions</b> Roy Harrison, <i>Chair of Scientific Committee</i>	
12:55	<b>Outline of Discussion Format</b> Susannah May & Jack Busby, <i>Royal Society of Chemistry Publishing Editors</i>	
13:00	<b>Introductory Lecture</b> (Session Chair: <b>Xavier Querol</b> ) <u>Urs Baltensperger</u> <i>Paul Scherrer Institute</i>	
	<b>Session 1: Chemical Complexity of the Urban Atmosphere and its Consequences</b> (Session Chair: <b>Andre Prevot</b> )	
14:00	<b>Single-particle measurements of phase partitioning between primary and secondary organic aerosols</b> Ellis Robinson, Neil Donahue, Adam Ahern, Qing Ye, Eric Lipsky <i>Carnegie Mellon University</i>	<b>Paper 9102</b>
14:05	<b>Molecular Composition of Organic Aerosols at Urban Background and Road Tunnel sites using Ultra-high Resolution Mass Spectrometry</b> Haijie Tong, Ivan Kourtchev, Pallavi Pant, Francis Pope, Ian Keyte, Ian O'Connor, John Wenger, Roy M. Harrison and <u>Markus Kalberer</u> <i>University of Cambridge, UK</i>	<b>Paper 9585</b>
14:10	<b>The characterisation of diesel exhaust particles – composition, size distribution and partitioning</b> <u>Mohammed S. Alam</u> , Christopher P. Stark, Zhirong Liang, Soheil Z. Rezaei, Hongming M. Xu and Roy M. Harrison <i>University of Birmingham, UK</i>	<b>Paper 9622</b>
14:15	Discussion	
15:30	Afternoon tea	
16:00	<b>Evaluating the performance of low cost chemical sensors for air pollution research</b> <u>Alastair Lewis</u> , James Lee, Peter Edwards, Marvin Shaw, Mathew Evans, Sarah Moller, Katie Smith, Matthew Ellis, Stefan Gillott, Andy White, Jack Buckley <i>National Centre for Atmospheric Science &amp; University of York</i>	<b>Paper 9103</b>
16:05	<b>Atmospheric ethanol in London and the potential impacts of future fuel formulations</b> <u>Rachel E. Dunmore</u> , Lisa K. Whalley, Tomas Sherwen, Mathew J. Evans, Dwayne E. Heard, James R. Hopkins, James D. Lee, Alastair C. Lewis, Richard T. Lidster, Andrew R. Rickard, and Jacqueline F. Hamilton <i>University of York, UK</i>	<b>Paper 9671</b>
16:10	<b>Biofuels, Vehicle Emissions, and Urban Air Quality</b> <u>Timothy J. Wallington</u> , James E. Anderson, Eric M. Kurtz and Paul J. Tennison <i>Ford Motor Company, Michigan, USA</i>	<b>Paper 9773</b>
16:15	Discussion	
17:30	Lightning Presentations (by invitation of the scientific committee)	

18:00	Poster Session (ODD NUMBERED POSTERS ONLY) and Wine Reception
19:45	Close and free evening

#### Thursday 7 April

	<b>Session 2: Timescales of Mixing and of Chemistry</b> (Session Chair: <b>Francis Pope</b> )	
09:00	<b>Ozone Production Chemistry in the Presence of Urban Plumes</b> <u>William H Brune</u> , Bianca Baier, Jordan Thomas, Xinrong Ren, Ronald Cohen, Sally Pusede, Eleanor Browne, Allen Goldstein, Drew Gentner, Frank Keutsch, Joel Thornton, Sara Harrold, Felipe Lopez-Hilfiker, Paul Wennberg <i>Pennsylvania State University</i>	<b>Paper 9104</b>
09:05	<b>On the interpretation of in situ HONO observations via photochemical steady state</b> Leigh Crilley, Louisa Kramer, Francis D. Pope, Lisa Whalley, Danny Cryer, Dwayne Heard, James Lee, Christopher Reed and <u>William Bloss</u> <i>University of Birmingham</i>	<b>Paper 9105</b>
09:10	<b>Exploring the nitrous acid (HONO) formation mechanism in winter Beijing: direct emissions and heterogeneous production in urban and suburban areas</b> Siqi Hou, Ying Zhang, <u>Shengrui Tong</u> , Maofa Ge, Biwu Chu, Yongchun Liu, Hong He, And Pusheng Zhao <i>Institute of Chemistry, Chinese Academy of Sciences, Beijing, China</i>	<b>Paper 9761</b>
09:15	<b>OH reactivity in urban and suburban regions in Seoul, South Korea- An East Asian megacity in a rapid transition</b> <u>Saewung Kim</u> , Dianne Sanchez, Mark Wang, Roger Seco, Daun Jeong, Stacey Hughes, Barbara Barletta, Donald Blake, Jinsang Jung, Deugsoo Kim, Gangwoong Lee, Meehye Lee, Joonyoung Ahn, Sang-Deok Lee, Gangnam Cho, Min-Young Sung, Yong-Hwan Lee, Dan Bi Kim, Younha Kim, Jung-Hun Woo, Duseong Jo, Rokjin Park, Jeong-Hoo Park, You-Deog Hong and Ji-Hyung Hong <i>University of California, Irvine, USA</i>	<b>Paper 9609</b>
09:20	Discussion	
11:00	Morning Tea	
	<b>Session 3: Urban Case Studies</b> (Session Chair: Urs Baltensperger)	
11:30	<b>Urban particulate matter pollution: A tale of five cities</b> <u>Spyros Pandis</u> , Ksakousti Skyllakou, Kalliopi Florou, Evangelia Kostenidou, Erion Hasa and Albert Presto <i>Carnegie Mellon University</i>	<b>Paper 9106</b>
11:35	<b>Regional air quality in Leipzig, Germany: Detailed source apportionment of size-resolved aerosol particles and comparison with the year 2000</b> <u>Dominik van Pinxteren</u> , Khandeh Wadinga Fomba, Yoshiteru Iinuma, Konrad Müller, Gerald Spindler, Gunter Löschau, Andrea Hausmann, Laurent Poulain and Hartmut Herrmann <i>TROPOS Leipzig, Germany</i>	<b>Paper 9533</b>
11:40	Discussion	
12:30	Lunch	
13:30	<b>The “Parade Blue”: effects of short-term emission control on aerosol chemistry</b> Qiang Zhang, Haiyan Li, <u>Kebin He</u>	<b>Paper 9107</b>

	<i>Tsinghua University</i>	
13:35	<b>Secondary organic aerosol origin in an urban environment. Influence of biogenic and fuel combustion precursors</b> <u>Maria Cruz Minguillón</u> , Noemí Pérez, Nicolas Marchand, Amélie Bertrand, Brice Temime-Roussel, Konstantinos Agrios, Sönke Szidat, Barend van Drooge, Alexandre Sylvestre, Andrés Alastuey, Cristina Reche, Anna Ripoll, Esther Marco, Joan Grimalt, Xavier Querol <i>Institute of Environmental Assessment and Water Research (IDAEA), CSIC, Barcelona, Spain</i>	<b>Paper 9740</b>
13:40	<b>The relative importance of tailpipe and non-tailpipe emissions on the oxidative potential of ambient particles in Los Angeles, CA</b> Sina Hasheminassab, Farimah Shirmohammadi, Dongbin Wang, Martin M Shafer, James J Schauer, Ralph Delfino, and <u>Constantinos Sioutas</u> <i>University of Southern California, USA</i>	<b>Paper 9532</b>
13:45	<b>Oxidative potential of size-fractionated atmospheric aerosol in urban and rural sites across Europe</b> <u>Martin Shafer</u> , Jocelyn Hemming, Dagmara Antkiewicz and James Schauer <i>University of Wisconsin-Madison, Madison Wisconsin USA</i>	<b>Paper 9746</b>
13:50	Discussion	
15:30	Afternoon Tea	
16:00	<b>Twenty years of ambient observations of nitrogen oxides and specified hydrocarbons in air masses dominated by traffic emissions in Germany</b> Christian Ehlers, Dieter Klemp, Franz Rohrer, Djuro Mihelcic, Robert Wegener, Astrid Kiendler-Scharr and Andreas Wahner <i>Research Centre Jülich, Germany</i>	<b>Paper 9539</b>
16:05	<b>Have vehicle emissions of primary NO<sub>2</sub> peaked?</b> <u>David C. Carslaw</u> , Tim P. Murrells, Jon Andersson and Matthew Keenan <i>Ricardo-AEA, University of York, UK</i>	<b>Paper 9590</b>
16:10	<b>Spatially resolved flux measurements of NO<sub>x</sub> from London suggest significantly higher emissions than predicted by inventories</b> <u>James D. Lee</u> , Alastair C. Lewis Adam R. Vaughan, Marvin D. Shaw, Ruth M. Purvis, David C. Carslaw, C. Nicholas Hewitt, Pawel K. Misztal, Allen, H. Goldstein, Stefan Metzger, Sean D. Beevers, Karl Thomas and Brian Davison <i>University of York, UK</i>	<b>Paper 9565</b>
16:15	Discussion	
17:30	Close of sessions	
17:30	Poster session (EVEN NUMBERED POSTERS ONLY) and drinks reception	
18:45	Close and walk to Royal Society	
19:00	Conference Dinner (Royal Society)	

Friday 8 April

	<b>Session 4: Numerical Modelling Strategies for the Urban Atmosphere</b> (Session Chair: <b>Rob MacKenzie</b> )	
09:00	<b>Non-Linear Partitioning and Organic Volatility Distributions in Urban Aerosols</b> <u>Sasha Madronich</u> , Andrew Conley, Julia Lee-Taylor, Larry Kleinman, A. Hodzic, Bernard Aumont <i>National Center for Atmospheric Research</i>	<b>Paper 9108</b>
09:05	<b>Modelling component evaporation and composition change of traffic-induced ultrafine particles during travel from street canyon to urban background</b> <u>Irina Nikolova</u> , Rob MacKenzie, Xiaoming Cai, Mohammed Alam, and Roy Harrison <i>University of Birmingham, UK</i>	<b>Paper 9716</b>
09:10	<b>Simulation of particle diversity and mixing state over Greater Paris: A model-measurement inter-comparison</b> Shupeng Zhu, <u>Karine N. Sartelet</u> , Robert Healy and John Wenger <i>CEREA, France</i>	<b>Paper 9583</b>
09:15	Discussion	
10:30	Morning Tea	
11:00	<b>The Treatment of Uncertainties in Reactive Pollution Dispersion Models at Urban Scales</b> <u>Alison Tomlin</u> , Tilo Ziehn, Paul Goodman, James Tate and Nick Dixon <i>University of Leeds</i>	<b>Paper 9109</b>
11:05	<b>Assessing chemistry schemes and constraints in air quality models used to predict ozone in London against the detailed Master Chemical Mechanism</b> <u>Tamsin L. Malkin</u> , Lisa K. Whalley, Dwayne E. Heard, Christina Hood, Jenny Stocker, David Carruthers, Ian A. MacKenzie, Ruth M. Doherty, Massimo Vieno, J Kleffmann, Sebastian Laufs and James Lee <i>University of Leeds, UK</i>	<b>Paper 9756</b>
11:10	<b>Verifiable emission reductions in European urban areas with air-quality models</b> <u>Andreas N. Skouloudis</u> and David G. Rickerby <i>European Commission, Joint Research Centre, IES, Italy</i>	<b>Paper 9757</b>
11:15	Discussion	
12:30	<b>Concluding Remarks Lecture</b> (Session Chair: <b>Roy Harrison</b> ) <u>Jose-Luis Jimenez</u> <i>University of Colorado Boulder</i>	
13:10	<b>Acknowledgements</b>	
13:15	<b>Close of meeting and lunch</b>	

Presenting authors are indicated in the programme by an underline. The affiliation is for the presenting author. If the presenting author of your paper has changed since abstract selection please email [events@rsc.org](mailto:events@rsc.org). Please note that this is a draft programme and timings may change.