

ADDENDUM: Changes to Final Program of the 2010 Annual Meeting of the AAAR

CANCELLED POSTERS / PLATFORMS AND REPLACEMENTS

CANCELLED PRESENTATION	REPLACED BY
3C.1 Tuesday 3:00 Analysis and Interpretation of Air Particulate Matter Data from a Suburban Site in Islamabad. Naila Siddique, Shahida Waheed, Muhammad Daud, Andreas Markwitz	Long Range Transport of Anthropogenic Pollution in the Asian Region. Bilkis A. Begum, Swapan K. Biswas, Gauri G. Pandit, Shahida Waheed, Manikkuwadura C. S. Seneviratne, David D. Cohen, Andreas Markwitz, PHILIP K. HOPKE (formerly Poster 2D.8)
3D.4 Tuesday 3:45 Investigation of Continuous Primary Particulate Emissions Monitoring. KEVIN GOOHS, Dieter Kita	Evaluation of Enclosed Cab Filters for Reducing Diesel Particulate Matter. JAMES NOLL, Andy Cecala, John Organisak (formerly Poster 8J.1)
5B.4 Wednesday 1:45 Biogenic Secondary Organic Aerosol: Observations and Predictions. QI CHEN, Yingjun Liu, Yongjie Li, Scot T. Martin	Size-dependent Growth Rates of Sub-5nm Particles during Atmospheric Nucleation Events. MODI CHEN, Peter McMurry, Jingkun Jiang, Jun Zhao (formerly Poster 8D.30)
6B.2 Wednesday 3:30 Determination of the size distribution of aerosol concentration without impactors. PAOLO PRATI, Vera Bernardoni, Eleonora Cuccia, Dario Massabò, Gianluigi Valli, Roberta Vecchi	Identifying Sources of Uncertainty Using Covariance Analysis. NICOLE PAULY HYSLOP, Warren H. White (formerly Poster 2F.5)
6C.2 Wednesday 3:30 Determination of the Fine Particle Emissions from Wood-Fired Hydronic Heaters. JOHN S. KINSEY	Effect of Water in Fuel Injection on Emissions from a Large Marine Engine. Varalakshmi Jayaram, M. YUSUF KHAN, Ole Peter Fredrickson, William W. Welch, J. Wayne Miller, David R. Cocker III (formerly Poster 2G.19)
12A.2 Friday 11:30 Regional Dust Storm Trend and Dust Source Areas Contribution to PM10 Concentrations in Iran. Raheleh Givehchi, MOHAMMAD ARHAMI	Regional Transport of Atmospheric Aerosol in Central Asia: Characteristics and Provenance of Dust Events Observed in the Kyrgyz Republic. MARTIN SHAFER, James Schauer, Justin Miller-Schulze, Paul Solomon, Boris Chen, Sanjar Imashev, Maria Artamonova, Greg Carmichael (formerly Poster 8A.8)
12D.1 Friday 11:15 Hydrophilic Black Carbon Soot for Aqueous Dispersion. THOMAS W. KIRCHSTETTER, Odelle Hadley, Jeffery Aguiar	Comparative study of the effect of the trapping method on the physical properties of single aerosols trapped with an electrodynamic balance or optical tweezers. ALLEN HADDRELL, Jonathan Reid (formerly Poster 8E.13)

POSTER	WILL BE PRESENTED AS
2D.8	3C.1 Tuesday, 3:00
2F.5	6B.2 Wednesday, 3:30
2G.19	6C.2 Wednesday, 3:30
8A.8	12A.2 Friday, 11:30
8D.30	5B.4 Wednesday, 1:45
8E.13	12D.1 Friday, 11:15
8J.1	3D.4 Tuesday, 3:45

POSTERS WITHDRAWN

- 2B.6 Ambient Concentrations of Black Carbon and Related Pollutants Measured at the Las Vegas National Near-Road MSAT Study Site.** MICHAEL CLAGGETT, Victoria Martinez
- 2B.14 The adjoint of the CMAQ aerosol dynamics.** SHUNLIU ZHAO, Amir Hakami, Matthew Turner, Daven Henze
- 2D.1 Analysis and Interpretation of Air Particulate Matter Data from the Islamabad/ Rawalpindi Region.** NAILA SIDDIQUE, Shahida Waheed, Muhammad Arif, Muhammad Daud, Andreas Markwitz
- 2E.10 Diurnal Variation of Organic Carbon Sources in Georgia.** Yuan Cheng, MEI ZHENG, Xiuying Zhao, Wenyan Shi, Xiaolu Zhang, Rodney J. Weber, Eric S. Edgerton, and James J. Schauer
- 2J.25 New Method to Produce Liposome-Incorporated Interferon to Deliver as Aerosol.** TATYANA KOTOVA, Anastasiya Pevneva
- 2K.5 Geoengineering as an Optimization Problem.** GEORGE BAN-WEISS, Ken Caldeira
- 8A.3 Aerosol optical properties observed over high altitude station Hanle in Ladakh.** NEEHARIKA SINHA, S.P. Bagare, Shantikumar Singh Ningombam, Rajendra Bahadur Singh
- 8B.4 Characteristics of Polycyclic Aromatic Hydrocarbons (PAHs) in Indoor and Outdoor Air in different seasons of Rural India.** JAMSON MASIH, Ajay Taneja, Raj Singhvi
- 8C.19 Characterization of PM from Animal Feeding Operations.** STEVEN TRABUE, Kenwood Scoggin, Ronaldo Maghirang, Hongwei Xin, Hong Li, Laura McConnell
- 8H.1 Fine Particulate Phase PAHs in Urban Air and Exposure Assessment in Human Using Potential Urinary Biomarkers.** R Mohanraj, G. Solaraj, and S. Dhanakumar
- 8J.3 Investigation on wettability of typical coal combustion fly ashes using a novel method based on flotation mechanism.** Hailong Li, Junying Zhang, Yongchun Zhao, Chang-Yu Wu

CHANGES IN SESSION CHAIRS

SESSION NUMBER	WILL BE CO-CHAired BY
9A REMOTE & REGIONAL ATMOSPHERIC AEROSOLS II	NICOLE HYSLOP and ANN MIDDLEBROOK
9E INDOOR AEROSOLS/EXPOSURE IV	OWEN PRICE and BAHMAN ASGHARIAN
12C NANOPARTICLES AND MATERIALS SYNTHESIS III	CHRISTOF ASBACH and STEVEN GIRSHICK

CHANGES IN PRESENTING AUTHORS: Presenting author in BOLD CAPS

- 1A.2** Tuesday 10:00 **Measurements of Cloud Condensation Nuclei Activity and Hygroscopicity of Fresh Unprocessed Regional Dust Samples and Clays.** PRASHANT KUMAR, Irina N. Sokolik, ATHANASIOS NENES
- 1B.2** Tuesday 10:00 **Kinetics of Secondary Organic Aerosol Evaporation and the Effect of Adsorbed Gases.** ALLA ZELENYUK, Tim Vaden, JOSEF BERANEK, Dan Imre
- 2B.10** Tuesday Poster Session **Seasonal Variation and Yearly Trend in PM_{2.5} Aerosols Concentration, Their Characterization And Source Apportionment in Karachi (Pakistan).** Jawad Nasir, Asif Noor, BADAR GHOURI, CHRISTIAN KHALIL
- 2B.12** Tuesday Poster Session **Atmospheric Aerosol in Delhi Region and Source Apportionment Using Positive Matrix Factorization.** GAZALA HABIB, Amrita Singhai, Tarachand Lohia, A. J. KURIAN, Saood Manzer, Tarun Gupta
- 2C.18** Tuesday Poster Session **Volatility of Primary Organic Aerosol Emissions from Combustion Sources: A Comparison of Thermogravimetric Measurements to an Aerosol Dynamics Model.** ANDREW A MAY, Christopher J. Hennigan, Ilona Riipinen, ALBERT PRESTO, Allen L. Robinson
- 2C.19** Tuesday Poster Session **Sources and Chemical Evolution of Organic Aerosols in New York City Based on High-Resolution Aerosol Mass Spectrometry.** YELE SUN, QI ZHANG, James J. Schwab, Kenneth L. Demerjian, Wei-Nai Chen, Min-Suk Bae, Olga Hogrefe, Brian Frank, Hui-Ming Hung, Yu-Chi Lin
- 2C.21** Tuesday Poster Session **A Prescribed Forest Burning Experiment in Finland in June 2009.** AKI VIRKKULA, Janne Levula, Toivo Pohja, Gerrit De Leeuw, David Schultz, Craig Clements, Jaakko Kukkonen, Mikhail Sofiev, Liisa Pirjola, Hanna Manninen, Heikki Junninen, Tuomo Nieminen, Tiia Grönholm, Tuukka Petäjä, JOHN BACKMAN, Markku Kulmala
- 2E.1** Tuesday Poster Session **Photochemical Model Assessment of PM_{2.5} Ammonium Nitrate in California.** KIRK BAKER, HEATHER SIMON
- 2E.2** Tuesday Poster Session **Photochemical Modeling Using MEGAN and BEIS: Comparison of Predicted SOA and Precursors to Surface and Aloft Measurements.** KIRK BAKER, ANNMARIE G. CARLTON
- 2E.14** Tuesday Poster Session **Predicting Pure Compound Vapor Pressure with the Carbon Number-Polarity Grid.** JOHN SCHNEIDER, Kelley Barsanti, William Asher, JAMES PANKOW
- 2F.17** Tuesday Poster Session **Direct Derivatization and Analysis of Polars in Particulate Matter by TD-GC/MS.** Gianni Caravaggio, VIVIEN KO, Ajae Hall, PENNY MACDONALD
- 2H.3** Tuesday Poster Session **Flooring and Particle Composition Factors Affecting Resuspension Rate via Human Activity.** KYUNG SUL, YILIN TIAN, Iman Goldasteh, Goodarz Ahmadi, and Andrea R. Ferro
- 2I.7** Tuesday Poster Session **Experimental study on charged aerosol penetration through metallic tubes.** KUANG-NAN CHANG, Sheng-Hsiu Huang, CHIH-CHIEH CHEN
- 2K.1** Tuesday Poster Session **The Cloud Brightening Geoengineering Technique.** JOHN LATHAM, Philip Rasch, ALAN GADIAN, Jack Chen, Laura Stevens, Ben Parkes
- 3A.8** Tuesday 4:45 **Iron Fertilization and Aerosols: The potential of the SERIES experiment to inform aerosol geoengineering practices.** LISA LANGLEY, W. RICHARD LEITCH, Maurice Levasseur, Ulrike Lohmann, Ann-Lise Norman, Nicole C. Shantz
- 3B.7** Tuesday 4:30 **Making Activity Corrections Feasible: Adding Complexity to Modeling Organic Particulate Matter with Minimal Computational Expense.** JOHN SCHNEIDER, William Asher, JAMES PANKOW
- 3E.1** Tuesday 3:00 **Development of an Electrostatic Precipitation Based Automated Bioaerosol Sensing System.** Miaomiao Tan, MAOSHENG YAO and Tong Zhu
- 6D.5** Wednesday 4:15 **Passive Sampling for Characterizing Spatial Variability of the Composition of Coarse Particulate Matter (PM_{10-2.5}) in Cleveland, OH.** ERIC SAWVEL, THOMAS PETERS, Naresh Kumar, Robert Willis
- 6E.6** Wednesday 4:30 **Indoor Monitoring of Fungal Bioaerosols For Their Genera and Concentration: A Baseline Study at Azad Jammu & Kashmir (Pakistan).** JAWAD NASIR, Badar Ghauri, Said Rehman, Asif Noor, Abdul Mannan, CHRISTIAN KHALIL
- 7E.3** Thursday 10:15 **Particle Number (PN) Concentrations of Ultra-fine Particulate (UFP) at Five US Locations.** K. A. ERICKSON, M. Koch, J. J. Schwab, B. C. Anderson, J. A. Baker, R. Caldow, K. A. Prather,

- M. D. Zauscher, J. F. Cahill, S. V. Hering, F. R. Quant, S. Morell, B. L. Osmondson, **MARKUS GÄLLI**
- 8B.9** Thursday Poster Session **Analysis of Atmospheric Aerosol (PM_{2,5}) in Rio de Janeiro City.** **THIAGO G. VERÍSSIMO**, Américo A. F. S. Kerr, Maria de Fatima Andrade, Regina Maura de Miranda, Adalgiza Fornaro, Paulo Afonso de Andre, and Paulo Saldiva
- 8B.11** Thursday Poster Session **Impact of Distributed Urban Diesel Generators on Household Exposure to Carcinogenic Airborne Particles during Rolling Blackout Episodes.** **MARC AL HELOU**, Ezzat Jaroudi, ALAN SHIHADDEH
- 8C.5** Thursday Poster Session **Investigations of Molecular Tracers from Naphthalene and Monomethylated Naphthalenes.** **TADEUSZ E. KLEINDIENST**, Michael Lewandowski, John H. Offenberg, **MOHAMMED JAOUI**, Kenneth S. Docherty
- 8E.19** Thursday Poster Session **Bio-aerosol Sampler/Collector: Numerical and Experimental Study.** **IGOR NOVOSSELOV**, Michelle Hickner, Evan Dengler, Scott Meschke, Michael Yost, Peter Ariessohn
- 8E.27** Thursday Poster Session **Near-Infrared Laser Desorption/Ionization Aerosol Mass Spectrometry (NIR-LDIAMS): Advancing Measurements of Organic Aerosols Under Atmospherically Relevant Concentrations of Organic Aerosol.** **SCOTT GEDDES**, Brian Nichols, Jessica Eisenhauer, James Zahardis, **GIUSEPPE A. PETRUCCI**
- 8G.3** Thursday Poster Session **Porous Hyaluronic Acid Particles Prepared Using an Aerosol-assisted Self-assembly Technique.** **ASEP BAYU DANI NANDIYANTO**, **LEE SHIN YOUNG**, Ferry Iskandar, Kikuo Okuyama
- 8H.7** Thursday Poster Session **Physico-chemical characterization of metallic nanoparticles derived in welding fumes.** Cali Chang, **PHILIP DEMOKRITOU**, David C. Christiani
- 8K.4** Thursday Poster Session **Predicting Deposition Efficiency of High Aspect Ratio Particles in the Lung Due to Magnetic Field Alignment using Direct Numerical Simulations.** W. H. Finlay, R. C. MARTINEZ, P. Minev, **LALEH GOLSHAHI**
- 9B.5** Thursday 2:30 **Mixing State and Compositional Effects on CCN Activity and Droplet Growth Kinetics of Size-Resolved CCN in an Urban Environment.** **LUZ TERESA PADRO**, **RICHARD H. MOORE**, Xialou Zhang, Neeraj Rastogi, Jessie Creamean, Lindsay Hatch, Andrew Ault, Kimberly A. Prather, Rodney J. Weber, and Athanasios Nenes
- 10C.2** Thursday 3:30 **Transport and Deposition of Asbestos Fibers in Human Upper Airways.** **LIN TIAN**, **GOODARZ AHMADI**, Philip K Hopke, Yung-Sung Cheng
- 10E.6** Thursday 4:30 **Inhalation Intake Fraction for Ultrafine Particles Emitted from Episodic Indoor Sources in Residences.** **SEEMA BHANGAR**, Nasim A. Mullen, **WILLIAM NAZAROFF**
- 11C.3** Friday 10:15 **Dynamic Relationship between Chemical Transformations and Optical Properties of Aerosols.** Jessica Lu, Ali Abo Riziq, **YINON RUDICH**
- 12A.1** Friday 11:15 **Decreases in elemental carbon and fine particle mass in the United States.** **DANIEL MURPHY**, Judith C. Chow, Charles McDade, Marc Pitchford, **BRET SCHICHEL**, Warren H. White
- 12C.5** Friday 12:15 **Towards Standard Nanoparticle-Release Control Processes Representing Handling of Nanoparticle-Containing Liquid and Solid Materials.** **HEINZ FISSAN**, Burkhard Stahlmecke, **CHRISTOF ASBACH**, Thomas Kuhlbusch, Karsten Wegner
- 12E.1** Friday 11:15 **Mitigation of Bioaerosol Droplets Generated during Coughing by Controlling the Viscoelastic and Surface Properties of Respiratory Airway Mucus.** **MD ANWARUL HASAN**, Malcolm King, **CARLOS LANGE**
- 12E.2** Friday 11:30 **Mass Transport of Deposited Aerosol Particles by Surface-to-Surface Contact and its Implications for Aerosol-Borne Disease Transmission.** **ANN MCDONAGH**, **RICHARD SEXTRO**, Miriam A. Byrne
- 12E.4** Friday 12:00 **Use of robotic measurement platform to assess children's exposure to indoor bioaerosols.** **ZUOCHENG WANG**, Stuart L. Shalat, Kathleen Black, Paul J. Lioy, Adam A. Stambler, Osiloke H. Emoekpere, Marta Hernandez, and **GEDIMINAS MAINELIS**
- 12E.5** Friday 12:15 **Direct and macrophage-mediated induction of impaired insulin signaling in liver cells by TiO₂.** Diana Gurewich, Assaf Rudich, **YINON RUDICH**