

ACE 2019 Preliminary Technical Session Schedule

Tuesday, June 25

4/25/2019

Time	Session Title	Track	Format	Session/Panel Chair	Submission ID	Primary Author	Affiliation	Presentation Title
10:45 AM	12:15 PM	Technical Poster Session						
			Poster	David Minott	599749	Kyung-Suk Cho	Ewha Womans University	Performance evaluation of different orifice wet scrubber systems for particulate matter emission control from small Korean grill restaurants
			Poster		598784	Young Sunwoo	Konkuk University	Prediction of Air Quality and Health Effects from Mt. Baek-du Eruption
			Poster		597099	Yang Hsu		Enhanced Photocatalytic hydrogen generation with Iron modified CeO2 nanocomposites via water splitting
			Poster		601459	Tamara Gorena	UNIVERSIDAD TECNICA FEDERICO SANTA MARIA	Evaluation of incorporation/accumulation pathway of trace element in a high pollution industrial area using Cupressus macrocarpa as a biomonitor
			Poster		601915	Karen Yanez	UNIVERSIDAD TECNICA FEDERICO SANTA MARIA	Physical-chemical characterization, Emission Factor of PM2.5 and combustion gases from different cellulose industry wastes using a Controlled Combustion Chamber for Emissions
			Poster		601908	Karen Yanez	UNIVERSIDAD TECNICA FEDERICO SANTA MARIA	Black Carbon and Brown Carbon from combustion of two Chilean native species using a Controlled Combustion Chamber for Emissions
			Poster		600973	Wen-Yinn Lin		Nd-based Perovskite as the Three-way Catalysts for Automobile Emissions Control
			Poster		601336	Ratish Menon	SCMS Water Institute	Monitoring and Analysis of Gas Emissions from a Closed Landfill Site at Jleeb in Kuwait
			Poster		592814	Trevor Litwiller		
			Poster		580416	Chien-Ping Chou	Institute of Environmental Engineering and Management, National Taipei University of Technology	Mercury Speciation and Mass Distribution of Two Coal-Fired Power Plants in Taiwan
			Poster		601798	Lindsay Smith-Munoz	Health Canada	Health Canada's Vapour Intrusion Guidance: A 2019 Update
			Poster		600693	Mehrez Samaali	Environment and Climate Change Canada	Spatial and Temporal Allocations in the Canadian Regional Air Quality Deterministic Prediction System: Updates and Analysis for Some Key Emissions Sectors
			Poster		601571	Stéphane Godbout		Catalytic cracking to optimize pyrolysis of plastic waste: preliminary study
			Poster		586344	Shih-Chun Candice Lung		Exposure to Low Frequency Noise from Wind Turbines in Indoor Environments of Different Building Materials
			Poster		593999	Shanshan Chu	National Chung Hsing University	Recovery of PO43- from Aqueous Solutions Using La/GO Composites And Adsorption/desorption Process
			Poster		601975	Saisantosh Vamshi Harsha Madiraju		Examination of plant based coagulants to replace lime and alum for surface water treatment
			Poster		599555	Saisantosh Vamshi Harsha Madiraju	University of Toledo	Evaluation of Risk for Different Industrial Sectors using Toxic Release Inventory
			Poster		602067	Kristin Isaacs		Modeling Framework for Estimating Outdoor Emissions from Personal and Household Care Consumer Products
			Poster		601522	Karine Gingras		CEAEQ: A Quebec leader in analytical services and air quality testing
			Poster		603789	Christopher Rogers	Wood Environment & Infrastructure Solutions, Inc	Total Reduced Nitrogen (NHx) Measurement Methods for Implementation in Long-Term Monitoring Networks
			Poster		594670	Greg Kleinheinz	University of Wisconsin Oshkosh	Multi-faceted approach to evaluation of biodegradability and conversion of organic waste products.
			Poster		585652	David McCready	EnviroCalc Consulting	Attention risk assessors! It's time to move to the AERSCREEN air dispersion model
			Poster		625033	Alain Moras	none	Building and operating an Aluminium Smelter within a forest and near milk farms, 30 years of emission control improvement at Alcoa Deschambault
			Poster		590236	Antony Laberge	Ministère de l'Environnement et de la Lutte contre les changements climatiques	Air Monitoring Activities in Quebec
1:30 PM	3:10 PM	Air Quality Monitoring: Challenges and Innovations PART I	MINI/AQMM	Panel	Sonia Melancon	Sonia Melancon	Ville de Montreal	Air Quality Monitoring: Challenges and Innovations PART I
1:30 PM	3:10 PM	Streamlining Government Business Processes for Environmental Protection	REGU/AQES	Panel	Julia Gamas	Julia Gamas	U.S. EPA	Streamlining Government Business Processes for Environmental Protection
1:30 PM	3:10 PM	Climate Change, Health, and Local Adaptive Management	CLIM	Platform	Barbara Tool O'Neil	Heidi Rous	ESA	Quantifying Health Co-benefits of Sustainable Planning Policies and Regulations
1:30 PM	3:10 PM			Platform		Elizabeth Rubenstein	N/A	Think Global Act Local-Using Adaptive Management Through Land Use Law
1:30 PM	3:10 PM			Platform		Cassandra Kubes	ACEEE	Valuing Energy Efficiency as a Public Health and Climate Mitigation Strategy
1:30 PM	3:10 PM			Platform		Éric Thérout	Government of Quebec - Ministry for the Environment and the Fight against Climate Change	Climate solidarity with vulnerable developing countries: Quebec's best initiatives
1:30 PM	3:10 PM	Climate Change Communication	CLIM	Panel	Flint Webb	C. Flint Webb	Leidos	Climate Change Communication
1:30 PM	3:10 PM	PFAS - How Much Should We Be Worried?	H&EE	Panel	Travis Kline	Travis Kline	Geosyntec Consultants, Inc.	PFAS: Specific Technical Challenges, Litigation, and Solutions
1:30 PM	3:10 PM	Waiting to Exhale: The Potential Environmental Impacts and the Regulatory Landscape	REGU	Panel	Richard Butler	Richard Butler	Willms & Shier Environmental Lawyers LLP	Waiting to Exhale: Cannabis in Canada - The Potential Environmental Impacts and the Regulatory Landscape
1:30 PM	3:10 PM	Solid Waste Generation and Treatment	WAST	Platform	David Minott	VINAYAK PACHAPUR	CRIQ-INRS	Novel approach of Biohydrogen production from Biodiesel industry waste (crude-glycerol) using co-culture system
1:30 PM	3:10 PM			Platform		William Anderson	University of Waterloo	Physical-Chemical Characterization of "Black Bag" Waste in a Municipality
1:30 PM	3:10 PM			Platform		Sunita Baniya	University of Texas at Arlington	Economical Design of Cold-Resistant Biogas Digesters for Degrading Household Waste In Mountainous areas of Developing Countries
1:30 PM	3:10 PM			Platform		Lotfi Khiari		Valorization of synthetic anhydrite in blueberry fields
1:30 PM	3:10 PM			Platform		Lynn Muzzey	Maine Department of Environmental Protection	Challenges in Permitting an Innovative Municipal Solid Waste Processing Facility
1:30 PM	3:10 PM	Hazardous Materials Treatment and Reuse Process Development	WAST	Platform	Paul Ruehl	Mingming Lu	Univ of Cincinnati	Kinetic analysis of a catalytic hydro-dechlorination reaction of select PCBs (poly-chlorinated biphenyls)
1:30 PM	3:10 PM			Platform		Io Mizushima	IPU	Recovery of metals from silicon based solar cells
1:30 PM	3:10 PM			Platform		Laurent Birry	Rio Tinto	The LCL&L process: a sustainable solution for the treatment and recycling of spent potlining.
1:30 PM	3:10 PM			Platform		Dipti Prakash Mohapatra	National Research Council of Canada	Cavitation Technology Development: Fast Analysis Methods Development in Effluent Treatment Applications
1:30 PM	3:30 PM	GHG, Mercury and Ammonia Control Technologies	AQCT	Platform		Mina Mehrata		Emission Control of Halogenated Anesthetic Gases in Hospital Air Venting
1:30 PM	3:30 PM			Platform		Ariane Lévesque	Institute of Research and Development in Agri-Environment	Ammonia Removal from Swine Building Exhaust Air with a Biotrickling Filter – Process Control and Nitrogen Valorisation
1:30 PM	3:30 PM			Platform		Julie Doucet	Université Laval	SIMULTANEOUS treatment of GREENHOUSE GAS and NITROGEN using a METHANOTROPHIC BIOFILTER
1:30 PM	3:30 PM			Platform		Mathieu Girard	Research and Development Institute for the Agri-Environment (IRDA)	Greenhouse Gases from Covered Manure Storage Facilities - Emissions and Mitigation Technologies
1:30 PM	3:30 PM			Platform		Frank Sapienza	CDM Smith	Development of an Innovative Mercury Control System for a Sewage Sludge Incinerator
1:30 PM	3:30 PM			Platform		Guy Drouin	Biothermica Technologies Inc.	Reduction of methane emissions from an underground coal mine with VAMOX® regenerative thermal oxidation technology for carbon offset credits on the Cap-and-Trade market
1:30 PM	3:30 PM	Resource Conservation and Sustainability: Innovative Policies and Practices - Part 1	SUST	Platform	Maggie Clarke	Min-Hao Yuan	Department of Occupational Safety and Health, China Medical University	HiGee Scrubber with Green Surfactants for Cooking-oil Fume Purification: PM and VOCs Pollutant Profile
1:30 PM	3:30 PM			Platform		Stéphane Poirier	Rio Tinto - Aluminum	Synthetic Anhydrite From AlF3 Production – An Example of Industrial Ecology as part of the Circular Economy Concept
1:30 PM	3:30 PM			Platform		Peter Gogolek	CanmetENERGY/NRCan	Overtuning the Conventional WASTE HIERARCHY
1:30 PM	3:30 PM			Platform		Marc Hebert	Marc Hebert, Expert & Trainer	Green Energy Production from Wood Waste with Recovery of Ash to Mitigate Environmental and Human Health Risks: The Case of Chapais Énergie – Nexolia.
1:30 PM	3:30 PM			Platform		Louis-César Pasquier	INRS ETE	Mineral carbonation, a way to turn industrial CO2 emissions into value added products
1:30 PM	3:30 PM			Platform		Chih Chao	Cantech Environmental Service	Sustainable Waste Plastics Management – Approaches and International Practices

Time	Session Title	Track	Format	Session/Panel Chair	Submission ID	Primary Author	Affiliation	Presentation Title	
1:30 PM	3:30 PM	Transportation Air Quality Modeling	TRANS/AQMO	Platform	George Noel	629108	Michael Claggett	U.S. DOT, Federal Highway Administration	Comparing Prediction Trends Among Highway Air Dispersion Models - AERMOD, RLINE, and CALINE3
1:30 PM	3:30 PM			Platform		629255	Michael Claggett	U.S. DOT, Federal Highway Administration	Case Studies of Mobile Source Air Toxics Modeling of Highway Projects
1:30 PM	3:30 PM			Platform		590049	Sandeep Puppala	Environment and Transportation	Start Emissions in MOVES
1:30 PM	3:30 PM			Platform		571830	Lanyi Zhang	Fujian Agriculture and Forestry University; University of Illinois at Chicago	Forecasting for PM1, PM2.5, PM4, and PM10 based on traffic and meteorological parameters using BPNN and the ARMA model
1:30 PM	3:30 PM			Platform		633791	Pradeep Prathibha		Efficacy of an Engineered Vegetative Buffer on Near-Road Air Quality
1:30 PM	3:30 PM			Platform		602439	George Schewe	Trinity Consultants	AERMOD Versus CALINE3 in a Field Evaluation
4:00 PM	6:00 PM	Air Quality Monitoring: Challenges and Innovations - Part 2	MINI/AQMM	Panel	Sonia Melancon	577805	Sonia Melancon	Ville de Montreal	Air Quality Monitoring: Challenges and Innovations PART II
4:00 PM	6:00 PM	Remote Sensing and Satellite-Based Monitoring	AQMM	Platform	Rick Osa	594255	RASMA K.	PhD Student	Assessment of AOD Product from INSAT-3D Imager
4:00 PM	6:00 PM			Platform		601186	Gilad Shpitzer	Atmosfir Optics	ADVANCED REMOTE SENSING SOLUTIONS accommodating petrochemical/chemical industrial monitoring needs and challenges using REAL TIME AND ONLINE technologies.
4:00 PM	6:00 PM			Platform		589877	BOUBANGA TOMBET STEPHAN	TELOPS	Thermal Infrared Hyperspectral Imaging for Visualization and flow rates Quantification of Methane releases
4:00 PM	6:00 PM			Platform		606547	Martin Allard	INO	Industrial process dust management, a medium range LIDAR for fugitive emissions quantification
4:00 PM	6:00 PM	Air Dispersion Modeling Case Studies: AERMOD	AQMO	Platform	Michael Hammer	593581	Taylor Roumeliotis	Ramboll Canada Inc.	AERMOD and CALPUFF Dispersion Model Evaluation of Mass Conservation
4:00 PM	6:00 PM			Platform		593805	Robert Paine	AECOM	Conditions Associated with Peak Observed SO2 Concentrations and AERMOD's Skill in Simulating These Events
4:00 PM	6:00 PM			Platform		629331	Piotr Staniaszek	WSP Canada Inc.	Modelling Emission Sources at Canadian Mines Using CALPUFF and AERMOD
4:00 PM	6:00 PM			Platform		602480	David Giard	BBA inc.	CALPUFF vs. AERMOD DISPERSION MODEL – A CASE STUDY
4:00 PM	6:00 PM			Platform		599123	Anthony Schroeder	Trinity Consultants	An AERMOD Case Study for Capped and Horizontal Point Sources
4:00 PM	6:00 PM	Diesel-Free By '33: Ending Diesel Pollution in the San Francisco Bay Area	CLIM/TRAN	Panel	Abby Young	600596	Abby Young	Bay Area Air Quality Management District	Diesel-Free By '33: Ending Diesel Pollution in the San Francisco Bay Area
4:00 PM	6:00 PM	Health Benefits of Emissions Reductions	H&EE	Platform	Jim Morrow	602110	Judith Mageau-Béland	Polytechnique Montreal	Measuring Physical Activity induced by Transit
4:00 PM	6:00 PM			Platform		595420	Veronica Garibay-Bravo	Universidad Nacional Autonoma de Mexico	Potential Health Benefits of Reducing Transport Emissions in Five Cities in Mexico's Bajío Region
4:00 PM	6:00 PM			Platform		586920	Brian Strasert	GSI Environmental	Air quality and health benefits from potential coal power plant closures in Texas
4:00 PM	6:00 PM	Power Industry Technology - Innovation, Challenges and Benefits	INDU	Platform	John Kinsman	592835	François Saunier		Comparative Life-Cycle Assessment of Carbon Capture Technologies
4:00 PM	6:00 PM			Platform		581424	Mark Sankey	Mark R. Sankey & Associates LLC	Forward To A Resilient Grid
4:00 PM	6:00 PM			Platform		593571	Jordan Haywood	Siemens Energy, Inc.	Combined Cycle Gas Turbine Startup Emissions
4:00 PM	6:00 PM			Platform		602044	John Kinsman	Edison Electric Institute	The U.S. Electric Power Sector - Changes in State and Federal Requirements, Fuels and Technologies Used, Air Emissions, and Customer Preferences
4:00 PM	6:00 PM			Platform		593499	Amber Isaac	Civil & Environmental Consultants, Inc.	Greenhouse Gas Emissions Reduction: Natural Gas Conversion vs. Carbon Capture
4:00 PM	6:00 PM	Not in my Backyard: Legal Issues in Finding Common Ground for the Approval of Major Resource Projects	REGU	Panel	Selina Lee-Andersen	611568	Selina Lee-Andersen	McCarthy Tetrault LLP	Not in my Backyard: Legal Issues in Finding Common Ground for the Approval of Major Resource Development Projects
4:00 PM	6:00 PM	Resource Conservation and Sustainability: Innovative Policies and Practices - Part 2	SUST	Platform	Chih Chao	601880	Mingming Lu	Univ of Cincinnati	A waste minimization approach to reuse spent coffee grounds
4:00 PM	6:00 PM			Platform		596161	Charbel Abou Khalil	New Jersey Institute of Technology	Benefits and cost implications of anaerobic-aerobic sequential treatment of waste in developing countries: The case of Lebanon
4:00 PM	6:00 PM			Platform		573598	Lou Theodore		New Options for Water Desalination
4:00 PM	6:00 PM			Platform		601012	Marc Hebert	Marc Hebert, Expert & Trainer	Toward Greener Sludge Combustion: GHG Reduction, Ash & Nutrient Recovery and Policies: The Case of Montreal, Longueuil and Québec City
4:00 PM	6:00 PM			Platform		573040	Christopher Jones	University of Arizona	The Modern Wildfire Situation: Seeking Solutions through the Smoke
4:00 PM	6:00 PM	Electric Vehicles: Effects on the Environment	TRAN	Platform	Gurdas Sandhu	601742	Laura Minet	University of Toronto	Impact of the deployment of electric vehicles on population exposure to air pollution
4:00 PM	6:00 PM			Platform		602143	Jeff Caton	ESA	Advances and Barriers to the Adoption of Heavy Duty Truck Electrification
4:00 PM	6:00 PM			Platform		599980	Rakesh Singh	Ramboll	Human Health Impact Evaluation Associated with Deployment of Electric Vehicles in Canada
4:00 PM	6:00 PM			Platform		627508	Marilou Gosselin	Quebec's Ministry of the Environment and the Fight against Climate Change	Reducing emissions from the transportation sector through the regulation of the Zero-emission vehicles offer
4:00 PM	6:00 PM			Platform		629302	Arthur Billette	Transports Québec	Transportation Electrification in Quebec: Significance progress and moving forwards our target
4:00 PM	6:00 PM			Platform		605566	Aaron Loiselle-Lapointe	Environment and Climate Change Canada	Environment and Climate Change Canada's Electric Vehicle Testing in a Canadian Climate
4:00 PM	6:00 PM	Per- and Polyfluoroalkyl Substances (PFAS) and Other Emerging Contaminants in Waste Management	WAST/H&EE	Platform	Chris Lutes	601793	Stephen Zemba	Project Director	PFAS Cycling Between Landfills and Wastewater Treatment Plants
4:00 PM	6:00 PM			Platform		601867	Harrison Roakes	Sanborn, Head & Associates	PFAS Fate and Transport – Considering Soil as a Potential Reservoir for PFAS in the Environment
4:00 PM	6:00 PM			Platform		601989	Christopher Rich	Perkins Coie LLP	PFAS Regulation is Coming... Are You Ready? A lawyer's view of the evolving regulatory landscape of perfluoroalkyl substances (PFAS), including U.S. standards, rules, and litigation.
4:00 PM	6:00 PM			Platform		645782	Michael Pjetraj	NC Department of Environmental Quality - Division of Air Quality	Case Study on Atmospheric Deposition of GenX
4:00 PM	6:00 PM			Platform		589398	Harry Behzadi	SGS	The Next Frontier on PFAS Contamination, Sediment, Surface Water and Fish Tissue
4:00 PM	6:00 PM			Platform		600585	Eric Edwalds	Barr Engineering Co.	Multimedia Transport of Poly- and Perfluorinated Alkyl Substances (PFAS): Air Emissions to Groundwater – A Case Study
4:00 PM	6:00 PM	How Does It Work? – Control Devices	YPRO/AQCT	Panel	Jennifer Moore	600447	Jennifer Moore	3M Company	How Does It Work? – Control Devices
Wednesday, June 26									
8:00 AM	9:40 AM	Air Pollutant/Greenhouse Gas Emissions Initiatives	MINI/CLIM	Platform	John Koehler	601866	Victor Douglas		Building a Healthy Breathing Environment - from the Bay Area to the World
8:00 AM	9:40 AM			Platform		588338	Ranyee Chiang	Bay Area Air Quality Management District	Climate Technology Review: Identifying, Financing, and Scaling Emerging Technologies
8:00 AM	9:40 AM			Platform		602286	Manfred Klein	MA Klein and Associates	Air Issues Policies for Cleaner Energy and GHG Solutions
8:00 AM	9:40 AM			Platform		602161	John Lindner	Metro Vancouver Regional District	Metro Vancouver's integrated approach to air quality and climate action planning
8:00 AM	9:40 AM			Platform		600734	Jean-Luc Allard	SNC-Lavalin	The Path to the cleanest gas in the world
8:00 AM	9:40 AM	Meeting Air Quality Standards and Dry Sorbent Injection Technology for Effective SO2 Emissions Control	AQCT	Panel	Michael Atwell	589676	Michael Atwell	Solvay Chemicals, Inc.	Dry Sorbent Injection for effective SO2 and HCl emissions control
8:00 AM	9:40 AM	Air Quality Sensing I: Designs and Validations	AQMM	Platform	Antony Chen	600915	Yi Li	Sunset-CES Inc.	Data Quality Control System—the Key to Sensor Application in Air Quality Monitoring Network
8:00 AM	9:40 AM			Platform		593487	Quamrul Huda	Alberta Environment and Parks	Air Monitoring Micro-Stations for Low Cost and Low Footprint Ambient Monitoring in Community Levels and Remote Locations
8:00 AM	9:40 AM			Platform		592280	Pei yu Lu	National Chiao Tung University	Comparisons of PM2.5 measured from air sensors, FRM and FEM
8:00 AM	9:40 AM			Platform		601869	Michael Ogletree		Low Cost PM2.5 Sensor Evaluation in Denver, CO
8:00 AM	9:40 AM			Platform		590560	Keith Jones	Environment and Climate Change Canada	The Use of Small Sensors to Augment Future Air Quality Services within the Meteorological Service of Canada
8:00 AM	9:40 AM	IMPROVE Network and Dust Issues	AQMM	Platform	Kip Carrico	609053	Mark Green	Desert Research Institute	Estimation of Brown Carbon concentrations for two years of IMPROVE and CSN aerosol samples
8:00 AM	9:40 AM			Platform		595731	William Malm	Colorado state University	Reinterpreting Thermal Optical Reflectance Measurements – the mystery of increasing Roc values
8:00 AM	9:40 AM			Platform		595717	Jenny Hand	Colorado State University	Temporal trends in the difference between gravimetric and reconstructed fine mass in the IMPROVE network
8:00 AM	9:40 AM			Platform		598118	Anthony Prenni		Reconstructing Light Extinction from Aerosol measurements: Evaluation of the Second IMPROVE Equation
8:00 AM	9:40 AM			Platform		601344	Rob Farber	atmospheric claritysunny	Silencing the wind blown dust and restoring the Rancho Seco landscape in the Mojave Desert

Time	Session Title	Track	Format	Session/Panel Chair	Submission ID	Primary Author	Affiliation	Presentation Title
8:00 AM	9:40 AM	Innovative Modeling Applications & Techniques: CFD Modeling	AQMO/TRAN	Platform	Sergio Guerra	601246	Sheng Li	Comparisons of Forward-in-Time and Backward-in-Time Lagrangian Stochastic Dispersion Models for Micro-scale Atmospheric Dispersion
8:00 AM	9:40 AM			Platform		607150	MARC CHIAPPERO	ARIA TECHNOLOGIES
8:00 AM	9:40 AM			Platform		590764	Bruno Furieri	Federal University of Espirito Santo
8:00 AM	9:40 AM	Risk Assessment/Management: Methods and Techniques	H&EE	Platform	Scott Weaver	602250	Patricia Brush	WSP USA
8:00 AM	9:40 AM			Platform		601960	Priscilla Hampton	Perkins Coie LLP
8:00 AM	9:40 AM			Platform		593494	Jenny Vieira	SNC-Lavalin inc.
8:00 AM	9:40 AM	Cross-functional panel discussion on the treatment confidential information in regulatory submittals	REGU	Panel	Adam Driscoll	590032	Adam Driscoll	3M Company
8:00 AM	9:40 AM	Permitting Case Studies	REGU	Platform	Paul Siebert	600676	Elizabeth Barfield	ERM
8:00 AM	9:40 AM			Platform		601688	Stephanie Friel	Langan Engineering and Environmental Services
8:00 AM	9:40 AM			Platform		612557	Sameer Shah	BURNS & MCDONNELL
8:00 AM	9:40 AM			Platform		602408	Kevin Eldridge	ERM NC, Inc.
8:00 AM	9:40 AM			Platform		601242	Christopher Campbell	CDM Smith
8:00 AM	9:40 AM	Zero Waste: Sustainability Issues and Evaluation Index	SUST	Panel	Chih Chao	616702	Chih Chao	Cantech Environmental Service
8:00 AM	9:40 AM	Transportation Emissions	TRAN/AQMO	Platform	Roger Wayson	594138	Lung-Wen Chen	University of Nevada, Las Vegas
8:00 AM	9:40 AM			Platform		587045	Shamil Flamarz	University of Garmian
8:00 AM	9:40 AM			Platform		601844	Ran Tu	University of Toronto
8:00 AM	9:40 AM			Platform		572637	Lanyi Zhang	Fujian Agriculture and Forestry University; University of Illinois at Chicago
8:00 AM	9:40 AM			Platform		602039	Alma Hernandez-Ruiz	The University of Texas at Arlington
8:00 AM	9:40 AM	Bio Fuel from Waste and Waste Composting	WAST	Platform	David Greene	599870	Yves Bernard	CRIQ (centre de recherche industrielle du Qu�bec)
8:00 AM	9:40 AM			Platform		591298	Arpit Bhatt	National Renewable Energy Laboratory
8:00 AM	9:40 AM			Platform		590580	Lucina Kuusisto	Texas A&M-Commerce
8:00 AM	9:40 AM			Platform		601115	John Koehler	Yorke Engineering LLC
8:00 AM	9:40 AM			Platform		611510	Andrew White	
8:00 AM	9:40 AM	Prediction, Measurement, and Management of Multimedia Environmental Fate of PFAS and Emerging Contaminants from Source Facilities	WAST	Panel	Michael Pjetraj	601841	Michael Pjetraj	NC Department of Environmental Quality - Division of Air Quality
10:10 AM	11:50 AM	Answering Critical Challenges Facing our Planet in Air Quality by using NASA's Current & Future Earth Observing Satellites	MINI/AQMM	Panel	Sue Estes	581297	Sue Estes	NASA/UAH
10:10 AM	11:50 AM	SOx, VOC, and Toxic Gas Control Technologies - Part 1	AQCT	Platform	Herek Clack	576716	sanaia Islam	University of Cincinnati
10:10 AM	11:50 AM			Platform		588571	Michael Zelensky	Alberta Energy Regulator
10:10 AM	11:50 AM			Platform		595578	Ashraf Aly Hassan	United Arab Emirates University
10:10 AM	11:50 AM			Platform		592076	Assem Dewidar	Department of Chemical and Environmental Engineering, College of Engineering and Applied Science, University of Cincinnati
10:10 AM	11:50 AM			Platform		601768	Frank Luissner	Ontario Ministry of the Environment, Conservation and Parks
10:10 AM	11:50 AM	Air Quality Sensing II: Designs and Validations	AQMM	Platform	Patrick Clark	599728	Rafael Santos	University of Guelph
10:10 AM	11:50 AM			Platform		601314	Anna Scott	Troposphere Monitoring
10:10 AM	11:50 AM			Platform		601748	Patrick Clark	Montrose Air Quality Services
10:10 AM	11:50 AM			Platform		589409	Harry Behzadi	SGS
10:10 AM	11:50 AM			Platform		601958	Andy Tolley	American Ecotech
10:10 AM	11:50 AM	Regional Haze and Nitrogen	AQMM	Platform	Kip Carrico	595730	Jenny Hand	Colorado State University
10:10 AM	11:50 AM			Platform		593802	Robert Paine	AECOM
10:10 AM	11:50 AM			Platform		600538	Kristi Gebhart	National Park Service
10:10 AM	11:50 AM			Platform		597947	Bret Schichtel	National Park Service-Air Resource Division
10:10 AM	11:50 AM			Platform		602065	Ralph Morris	Ramboll
10:10 AM	11:50 AM	Air Monitoring Methods, Data, and Uncertainties	AQMM	Platform	Praveen Srirama	580089	Chih-Chieh Chen	National Taiwan University
10:10 AM	11:50 AM			Platform		601596	Devendra Pal	Atmospheric and Oceanic Sciences - McGill University
10:10 AM	11:50 AM			Platform		603050	Charles Odame-Ankrah	Global Analyzer Systems Ltd.
10:10 AM	11:50 AM			Platform		601040	Dennis Fudge	Saskatchewan Ministry of Environment
10:10 AM	11:50 AM			Platform		616593	Darlene Hoogenes-Stastrny	ALS Environmental
10:10 AM	11:50 AM	Innovative Modeling Applications & Techniques: Innovative Techniques	AQMO	Platform	George Schewe	599144	Travis Hicks	Southern Company
10:10 AM	11:50 AM			Platform		601777	Matthew Jones	Woodard & Curran
10:10 AM	11:50 AM			Platform		599361	Anthony Ciccone	
10:10 AM	11:50 AM	Greenhouse Gas Inventories	CLIM	Platform	Tree Raine	590811	Fatima Haque	University of Guelph
10:10 AM	11:50 AM			Platform		591349	Yasser Saad Mohamed	
10:10 AM	11:50 AM			Platform		600405	Vicki Corning	Stantec Consulting Limited
10:10 AM	11:50 AM			Platform		592475	Luis Espinoza-Nava	Alcoa
10:10 AM	11:50 AM			Platform		599929	Doug Huxley	Jacobs Engineering Group
10:10 AM	11:50 AM	Bioaerosols and Transmission of Human and Animal Pathogens	H&EE	Panel	Mathieu Girard	589547	Mathieu Girard	Research and Development Institute for the Agri-Environment (IRDA)
10:10 AM	11:50 AM	Air Permitting Problems and Solutions	REGU	Panel	Paul Siebert	597707	Paul Siebert	Weston Solutions, Inc.

Time	Session Title	Track	Format	Session/Panel Chair	Submission ID	Primary Author	Affiliation	Presentation Title	
10:10 AM	11:50 AM	Corporate Implementation of Sustainability: Ethics, Methods, Metrics, Reporting, and Measured Benefits - Case Studies	SUST	Platform	Ram Ramanan	589705	Kristian Macoskey	Civil & Environmental Consultants, Inc.	A Survey of U.S. Industrial Sustainability
10:10 AM	11:50 AM			Platform	Jeremy Gilbride	599951	Jeremy Gilbride	CDM Smith Inc.	A Review of the Airport Carbon Accreditation Programme in the context of North American Airports
10:10 AM	11:50 AM			Platform		601765	Jeff Caton	ESA	Living Our Values: An Environmental Consulting Firm Pursues the Science Based Targets Initiative - A Case Study
10:10 AM	11:50 AM	Renewable Natural Gas: Opportunities for Waste Management	WAST/SUST	Panel	Sandra Franco	595587	Sandra Franco	Franco Environmental Law	Renewable Natural Gas: Opportunities for Waste Management
10:10 AM	11:50 AM			Platform to be incorporated into a Panel Session		625175	Carlyle Khan		Solution to reduce GHG in the transport sector while creating a circular economy model
10:10 AM	11:50 AM	How Does It Work? Border Battle - Environmental Regulations in the United States and Canada	YPRO/REGU	Panel	Elizabeth Rubenstein	601475	Elizabeth Rubenstein	N/A	How Does It Work? Border Battle - Environmental Regulations in the United States and Canada
1:30 PM	3:10 PM	Regulating Greenhouse Gas Emissions: Successes of Carbon Taxes and Cap and Trade Programs	MINI/CLIM	Panel	Cassandra Kubes	587068	Cassandra Kubes	ACEEE	Regulating Greenhouse Gas Emissions: Successes of Carbon Taxes and Cap and Trade Programs
1:30 PM	3:10 PM	SOx, VOC, and Toxic Gas Control Technologies - Part 2	AQCT	Platform	Charles Baukal	593691	Morteza Davarpanah	University of Alberta	Modeling VOC adsorption on beaded activated carbon in a multistage counterflow fluidized bed adsorber
1:30 PM	3:10 PM			Platform		599295	Luc Malhautier	IMT Mines AIA	Treatment of gaseous effluents emitted from tire manufacturing industry: robustness of biofilters
1:30 PM	3:10 PM			Platform		601573	Christopher Muller	Purafil, Inc.	Design and Evaluation of a Hydrogen Fluoride Scrubber for Management of Alkylation Process Hazards in a Petroleum Refinery
1:30 PM	3:10 PM			Platform		601455	Nicolas Turgeon	CRIQ	Development of an Innovative Biofilter Based on Industrial Ecology Concepts
1:30 PM	3:10 PM			Platform		601762	Alexandre Saulhier	SNC-Lavalin, Inc	Comparative study on the leak detection capabilities of two recognized methods (USEPA M21 and Optical Gas Imaging (OGI)) commonly use in LDAR program.
1:30 PM	3:10 PM	Emissions for Point and Area Sources	AQES	Platform	Juan Carlos Ramirez-Dorronsoro	595744	Long Fu	Government of Alberta	Characterization of GHG Fugitive Emissions from an Oil Sands tailings pond in Northern Alberta - Air Emissions Studies Session
1:30 PM	3:10 PM			Platform		595216	Glenn England	Ramboll	Measurement of PM10/2.5 Emissions from Refinery Sources Using Other Test Method 37 (OTM-37) Dilution Sampling
1:30 PM	3:10 PM			Platform		600781	Thomas Dunder	TRC	Source Emissions and Fuel Quality Testing for Biogas, Biomass, and Bioenergy
1:30 PM	3:10 PM			Platform		601512	Natalie Pekney	National Energy Technology Laboratory	Methane emissions from abandoned oil and gas wells: A case study in Oil Creek State Park, Pennsylvania
1:30 PM	3:10 PM			Platform		599822	Ariane Lévesque	Institute of Research and Development in Agri-Environment	Development of an On-site Method to Measure Fugitive Greenhouse Gas (GHG) Emissions from Covered Pig Manure Storage Pits
1:30 PM	3:10 PM	Next Generation of Air Monitoring Tools for Fugitive, Fenceline, and Area Source Applications	AQMM	Platform	George Ingrid	612542	Sameer Shah	BURNS & MCDONNELL	Use of Forensic Techniques to Identify Pollutant Sources in Air Quality Monitoring
1:30 PM	3:10 PM			Platform		601718	Dominic Lortie	Centre d'Expertise en Analyse Environnementale du Quebec	Drone-Assisted Detection of Radioactive Sources: An Innovative and Safe Solution
1:30 PM	3:10 PM			Platform		601695	Dominic Lortie	Centre d'Expertise en Analyse Environnementale du Quebec	A New Plug-in Hybrid Electric TAGA Mobile Laboratory to Analyze Ambient Air in Real-Time in Québec
1:30 PM	3:10 PM			Platform		593578	Ingrid George	U.S. Environmental Protection Agency	Field demonstration of the VOC Emissions Tracker (VET) to detect fugitive air toxic emissions in Dallas, TX
1:30 PM	3:10 PM			Platform		601539	Chris Nelson	3M Company	Case Studies: Strategic Air Quality Monitoring at Manufacturing Facilities
1:30 PM	3:10 PM	Downscaling Global Climate Models to use in Local Adaptation Planning	CLIM	Panel	Michael Hendrix	595723	Michael Hendrix	LSA Associates	Downscaling Global Climate Models to use in Local Adaptation Planning
1:30 PM	3:10 PM	Environmental Monitoring in the Oilsands	O&GS	Panel	Ole Mrklas	699991	Ole Mrklas	Canada's Oil Sands Innovation Alliance (COSIA)	Environmental Monitoring in the Oilsands
1:30 PM	3:10 PM	Economics, Partnerships & Environmental Leadership	REGU	Platform	Jim Ryckman	602092	Ulric Chung		ABIH and IPEP: Economics, Partnership, and Environmental Leadership in the Service of Environmental and Human Health
1:30 PM	3:10 PM			Platform		593424	Tony Pendola	NC Department of Environmental Quality	EPA's New SMALL Priority (Small Business Assistance) and How It's Already Benefiting You
1:30 PM	3:10 PM			Platform		595292	Morris Demitry	Air Force	Economics analysis for industrial wastewater services for Air Force Plant 6 at Marietta, GA
1:30 PM	3:10 PM			Platform		601845	Leonid Bak	Bay Area Air Quality Management Distric	Financial Foundation to Building a Healthy Breathing Environment
1:30 PM	3:10 PM			Platform		605903	Jany McKinnon	Gouvernement du Quebec	Quebec's Industrial Release Reduction Program : a Progressive Intervention Strategy
1:30 PM	3:10 PM	Modeling Issues in PSD/Nonattainment/Minor NSR Permitting	REGU/AQMO	Panel	Gurinder Saini	590782	Gurinder (Gary) Saini	RTP Environmental Associates Inc.	Modeling Issues in PSD/Nonattainment/Minor NSR Permitting
1:30 PM	3:10 PM	Sustainability Tracking, Metrics, Initiatives, and Analytics	SUST	Platform	Ram Ramanan	602006	Jesuina Chipindula		Lifecycle Environmental Impact of a High-Speed Rail System in the I-45 Corridor
1:30 PM	3:10 PM			Platform		625052	Ram Ramanan		Sustainability Analytics – the critical link between Sustainability and Business Strategy:
1:30 PM	3:10 PM			Platform		590575	Ali Al-Saleh		Life Cycle Assessment of Large Wind Turbines in the US: A Texas Case Study
1:30 PM	3:10 PM			Platform		600657	Lilia Righi	IAE Nice, Université Cote d'Azur	Fair trade and neutralisation process
1:30 PM	3:10 PM	Community Noise and Road Emissions	TRAN	Platform	Dominic Scarano	605415	Gabriel Lefebvre-Ropars	Polytechnique Montreal	New metrics for assessing the balance and sustainability of street design: a case study in Montréal
1:30 PM	3:10 PM			Platform		601634	Francois Gagnon	Valero Enery Inc.	Noise Survey Program to reduce the potential impact on the community surrounding a large oil refinery
1:30 PM	3:10 PM			Platform		605176	Jerome Laviolette	Polytechnique Montreal	Car ownership in Quebe & Canada :Trends, factors & consequences
1:30 PM	3:10 PM			Platform		595561	Derek Flake	Aercoustics Engineering Limited	Everything you always wanted to know about noise but were too afraid to ask
1:30 PM	3:10 PM	Waste Management and International Perspectives	WAST	Platform	Melanie Sattler	596150	Charbel Abou Khalil	New Jersey Institute of Technology	Sustainability of Small-Scale Waste Treatment Units for Refugee Camps
1:30 PM	3:10 PM			Platform		599803	Josfirin Rangka		Potential of Municipal Solid Waste as Malaysian Bioenergy Resource: GHG Emission, Energy production, Environmental, and Economy Evaluation
1:30 PM	3:10 PM			Platform		614953	Martin Héroux	Ville de Montreal	Comparing Odour Emissions from Collection of Different Types of Municipal Solid Wastes in Montreal
1:30 PM	3:10 PM			Platform		576397	Michael Sills		Reciclo Organicos: Canada's Support to Chile to Mitigate Greenhouse Gas Emissions from the Municipal Solid Waste Sector
1:30 PM	3:10 PM	YPAC Panel - Case Studies in Air Dispersion Modeling for Young Professionals	YPRO/AQMO	Panel	Paul Algu	592464	Paul Algu	RTP Environmental Associates	Case Studies in Air Dispersion Modeling for Young Professionals
3:30 PM	5:30 PM	Quebec and California Cap and Trade Update and Expectations for Post 2020	MINI/CLIM	Panel	Mike Taylor	571037	Mike Taylor		Quebec and California Cap and Trade Update and Expectations for Post 2020
3:30 PM	5:30 PM	PM Control Technologies	AQCT	Platform	Minh Pham	634418	Herek Clack	University of Michigan, Dept. of Civil & Environmental Engineering	Non-Thermal Plasma Inactivation of Porcine Reproductive and Respiratory Syndrome (PRRS) Virus in Hog Barn Ventilation Air
3:30 PM	5:30 PM			Platform		601266	Kuo-Pin Yu		Application of nano-silver/chitosan composite sterilization material for the removal of virus bioaerosols by using a modified virus sampler
3:30 PM	5:30 PM			Platform		600303	Kuo-Pin Yu		Removal of cooking fume emission from kitchens by using the combination of negative airionizer and active carbon adsorbent made of recycle rice straw
3:30 PM	5:30 PM			Platform		587250	Minh Pham	South Coast Air Quality Management District	Multipollutant Air Pollution Control for Glass Manufacturing Facilities
3:30 PM	5:30 PM			Platform		593271	John McKenna	ETS, INC.	Eliminating Bag Failure Problems in Baghouses
3:30 PM	5:30 PM			Platform	Minh Pham	602625	Hugues Châteauneuf	BBA	PM Control Technologies: A Recommended Approach For The Best Results
3:30 PM	5:30 PM	Challenges in Emission Inventory Development	AQES	Platform	Juan Carlos Ramirez-Dorronsoro	600932	David Cooley	Abt Associates	Adding Particulate Matter to EPA's eGRID Database
3:30 PM	5:30 PM			Platform		601518	Peter Gogolek	CanmetENERGY/NRCan	EXPLAINING the "Three Inch Rule": Why MODEL FLARES Don't Match FULL-SCALE
3:30 PM	5:30 PM			Platform		600432	Kerry Weichsel	Civil & Environmental Consultants, Inc.	Choosing Data Sources for Relevant, Complete, Consistent, Transparent, and Accurate Reporting
3:30 PM	5:30 PM			Platform		601619	Disha Shah	CDM Smith Inc.	Estimating Volatile Organic Compound Emissions at a Wastewater Treatment Plant Using EPA WATER9 Model
3:30 PM	5:30 PM			Platform		603371	Brittany Sullivan	Environment and Climate Change Canada	Tracking mercury emissions from products as part of Canada's Air Pollutant Emission Inventory Report

Time	Session Title	Track	Format	Session/Panel Chair	Submission ID	Primary Author	Affiliation	Presentation Title	
3:30 PM	5:30 PM	Air Quality Measurements and Monitoring in China	AQMM	Platform	Junji Cao	592210	Yuemei Han	Institute of Earth Environment, Chinese Academy of Science	Characterization of chemical composition and source of atmospheric aerosol particles in Fenwei basin, China
3:30 PM	5:30 PM			Platform		600930	Zhaoyang Meng	Chinese Academy of Meteorological Sciences	Ambient Ammonia and its Relation with Ammonium Aerosol Chemical Property in Winter of Beijing, China
3:30 PM	5:30 PM			Platform		592267	Junji Cao		Decreasing trend of carbonaceous aerosols over China from 2003 to 2013
3:30 PM	5:30 PM			Platform		590935	Junji Cao		Status and control of particulate air pollution in Fenwei Basin, China
3:30 PM	5:30 PM			Platform		589849	Ke Chen	University of Nottingham Ningbo China	Examining Efficacy of Mitigation Policies in Reduction of Source Emissions on Air Quality during Group of Twenty Summit in Hangzhou
3:30 PM	5:30 PM	Smoke and Prescribed Burning Air Quality Issues	AQMM	Platform	Kip Carrico	590355	Zhuji Zhao	School of Chemical and Environmental Engineering, Jiangsu University of Technology	Investigation of multi-wavelength light absorption of black and brown carbon in southeast Tibetan Plateau
3:30 PM	5:30 PM			Platform		594032	Rasma K.		Study of the Extent of Contribution of Regional Stubble Burning to the Air Pollution in Delhi-National Capital Region
3:30 PM	5:30 PM			Platform		601722	Christian Carrico	New Mexico Tech	Smoke Aerosol Optical Properties: Hygroscopic Response and Key Physicochemical Properties of Biomass Smoke from Southwestern US Fuels
3:30 PM	5:30 PM			Platform		629731	Tom Moore	WESTAR Council	Air Quality Planning Studies for the Western U.S.
3:30 PM	5:30 PM			Platform		600991	Ernesto Pino	Universidad de Santiago de Chile	Emission inventory of biomass burning from GFASV3 using SMOKE, the case of 2014
3:30 PM	5:30 PM			Platform		601332	Fernando Garcia-Menendez	North Carolina State University	Connections between prescribed fire, air quality, and communities in the Southeastern U.S.
3:30 PM	5:30 PM	Greenhouse Gas Modeling	CLIM	Platform	Joshua Fu	591325	Mounir Wahba Labib	National Academy of Science, Egypt	Status of Renewable Energy Projects in Egypt
3:30 PM	5:30 PM			Platform		591361	Mounir Wahba Labib	National Academy of Science, Egypt	Assessment of the Social and Economic Impacts due to Climate Change in Egypt
3:30 PM	5:30 PM			Platform		601770	Francisco Cereceda-Balic	Dept. of Chemistry and Centre for Environmental Technologies, Universidad Tecnica Federico Santa Maria	Long-time atmospheric monitoring data, snow albedo and BC in snow measured in Portillo, Los Andes Mountains, Chile
3:30 PM	5:30 PM			Platform		597710	Quamrul Huda	Alberta Environment and Parks	Time series concentration profiles of ambient carbon dioxide at locations in Alberta and relations to anthropogenic activities
3:30 PM	5:30 PM			Platform		594009	Mounir Wahba Labib	National Academy of Science, Egypt	Strategies for Improving Air Quality and Reducing Short-Lived Climate Forcers in Cairo, Egypt
3:30 PM	5:30 PM			Platform		612474	Julio Quijano Vargas		Costal wind evolution related to climate variability and climate change in Peru
3:30 PM	5:30 PM	Risk Assessment/Management: Recent Experience	H&EE	Platform	Scott Weaver	602214	Tony Renucci	National School of Administration	Analyzing the Lack of Awareness of the Risks Related to Air Pollution by Public Authorities: Case Studies of Paris, London and New York City
3:30 PM	5:30 PM			Platform		599086	Darcie Smith	US EPA	Overview of the 2014 National Air Toxics Assessment (NATA)
3:30 PM	5:30 PM			Platform		601987	Ron Chapman		E.A.M.A.S. - Emergency Management with a Powerful Web-based Weather, Hazard and Dispersion Modelling System
3:30 PM	5:30 PM			Platform		594120	Ben Whiting	Health Canada	Risk Assessment and Management of Petroleum Substances under Canada's Chemicals Management Plan
3:30 PM	5:30 PM	Methane Emission Management in the Oil and Gas Industry	O&GS	Panel	Randy Rudolph	699990	Randall Rudolph	Millennium EMS Solutions Ltd.	Methane Emission Management in the Oil and Gas Industry
3:30 PM	5:30 PM	Regulatory Developments	REGU	Platform	John Metzger	592932	Susan Wierman	Johns Hopkins University	A Perspective on the Development of Programs to Control Stationary Source Nitrogen Oxide Emissions in the Eastern US
3:30 PM	5:30 PM			Platform		601745	Todd Palmer	Michael Best & Friedrich LLP	Developments in United States Clean Air Act Regulatory Policies
3:30 PM	5:30 PM			Platform		602046	Don Cariparoli	Jacobs	Wildfire Smoke Impacts--Treatment of Exceptional Events
3:30 PM	5:30 PM			Platform		601871	Joshua Hemperly	ERM	Current Trends and Application of Air Toxics Health Risk Assessment Policies by State Regulatory Bodies in the U.S.
3:30 PM	5:30 PM			Platform		599396	John King	Breazeale, Sachse & Wilson, LLP	Recent EPA Air Memoranda
3:30 PM	5:30 PM			Platform		598060	Clara Poffenberger	CPELP LLC	Opportunities and Risks of Recent Changes to EPA Permitting Rules and Policy
3:30 PM	5:30 PM	Marine and Aviation Emissions	TRAN/AQES	Platform	Georges Bou-Saab	587535	Wanmin Gong	Environment and Climate Change Canada	Assessing the impact of shipping emissions on air pollution in the Canadian Arctic and northern regions: current and future modelled scenarios
3:30 PM	5:30 PM			Platform		602096	Georges Bou Saab	Institute for Transportation at Iowa State University	Beyond Safety: Utilizing SHRP2 NDS Data to Model Vehicular Emissions from Passenger Cars at Work Zones Using Vehicle Specific Power and Operating Mode Distribution Approach
3:30 PM	5:30 PM			Platform		590833	Mounir Wahba Labib	National Academy of Science, Egypt	Climate Change Effects on the Suez Canal Area After the Completion of the New Development Project
3:30 PM	5:30 PM			Platform		595336	Michael Murphy	Stantec Consulting Ltd.	Air Quality on the High Seas - Who Rules?
3:30 PM	5:30 PM			Platform		595361	Bryan McEwen	SNC Lavalin Inc	Current and Future CAC and GHG emission rates for Offroad Sources: Ships, Locomotives, Cargo Equipment. Existing Data Sources and Challenges for Emissions Inventory development
3:30 PM	5:30 PM	Waste Management, Beneficial Use, and Energy Recovery	WAST/SUST	Platform	David Greene	591189	Jane Gilbert	Maine Department of Environmental Protection	Disposal and Reuse of Nonwoven Fabric Material
3:30 PM	5:30 PM			Platform		595618	LOUIS BERTRAND	Sweet Gazoil Inc.	A Solution for Multi-Component, Laminated and Dirty Mixed Waste Plastics (Surface-Flash-Cracking)
3:30 PM	5:30 PM			Platform		601510	Dominique Kay	Biothermica Technologies Inc.	Treatment of landfill biogas purification plants' emissions by Regenerative Thermal Oxidation (RTO)
3:30 PM	5:30 PM			Platform		578030	David McConnell	Enerkem	The Enerkem Story: A State-of-the-Art Clean Technology Developed in Quebec
3:30 PM	5:30 PM	How Does It Work - Industries	YPRO/INDU	Panel	Jennifer Moore	599975			How Does It Work - Industries
Thursday, June 27									
9:40 AM	11:40 AM	Air Legislation, Regulation, & Policy Developments	MINI/REGU	Panel	Paul Siebert	597653	Paul Siebert	Weston Solutions, Inc.	Air Legislation, Regulation & Policy Developments
9:40 AM	11:40 AM	How to Select the Best VOC Emission Control Device Option	AQCT	Panel	Jennifer Moore	600505	William Norge	3M Company	How to Select the Best VOC Emission Control Device Option
9:40 AM	11:40 AM	Elemental, Ionic, and Organic Analysis for Air Measurement Applications	AQMM	Platform	Praveen Srirama	592338	Víctor Vidal	Universidad Tecnica Federico Santa Maria - Centre for Environmental Technologies (CETAM-UTFSM)	Source apportionment related to trace elements in PM2.5 in Concón, Chile, city placed near to an oil refinery plant.
9:40 AM	11:40 AM			Platform		601022	José Ardisson	Centro de Desenvolvimento da Tecnologia Nuclear	STUDY OF ATMOSPHERIC PARTICULATE MATERIAL BY 57Fe MOSSBAUER AND CHEMICAL MASS BALANCE MEASUREMENTS
9:40 AM	11:40 AM			Platform		589328	Sunita Maharia		Seasonal variation of endotoxin in the ambient air of a Sewage Treatment Plant (STP) in Delhi, India
9:40 AM	11:40 AM			Platform		601555	Ryan Hall	McGill University	Development of an Inexpensive and Sustainable Trap Method for the Measurement of Atmospheric Halogens
9:40 AM	11:40 AM			Platform		600865	Rodolfo Sosa Echeverría	Centro de Ciencias de la Atmosfera, UNAM	Chemical composition of wet atmospheric deposition at the main Mexican Port located in the Gulf of Mexico.
9:40 AM	11:40 AM	Atmospheric Chemistry Measurements	AQMM	Platform	Phil Silva	599016	Casey Bray	US EPA	An assessment of important SPECIATE profiles in the EPA emissions modeling platform and current data gaps
9:40 AM	11:40 AM			Platform		601489	Ernesto Pino	Universidad de Santiago de Chile	Black and organic carbon ratio in PM2.5 using EDGAR emission project
9:40 AM	11:40 AM			Platform		601810	Roya Mortazavi	McGill University	MICROECOSYSTEM of Arctic snow and frost flower: the impact of heavy metals and heavy metal resistant/tolerated bacterial populations
9:40 AM	11:40 AM			Platform		576300	Philip Silva	USDA-ARS	Ammonia, Amine, and Reduced Sulfur Concentrations in and around Confined Animal Feeding Operations
9:40 AM	11:40 AM			Platform		602560	Martin Gauthier	RWDI	Sensibility of Modeled Secondary Particulate Formation to Ammonia Background Concentrations
9:40 AM	11:40 AM	Air Dispersion Modeling for Regulatory Requirements	AQMO	Platform	Tony Schroeder	601169	Scott Miller	Cornerstone Environmental Group, LLC	Modeling Challenges for a Proposed Agricultural Processing Plant: A Case Study
9:40 AM	11:40 AM			Platform		595253	Jennifer Bare	Cardno ChemRisk	Screening air dispersion modeling approach: Prop 65 community exposure assessment for industrial emitters
9:40 AM	11:40 AM			Platform		601490	Jennifer Garvon	Civil and Environmental Consultants Inc	Best Practices for Communicating Air Dispersion Modeling Terms to the Lay Person
9:40 AM	11:40 AM			Platform		610710	Anna Henolson	Trinity Consultants	Nitrogen Dioxide Modeling Challenges and Solutions

Time	Session Title	Track	Format	Session/Panel Chair	Submission ID	Primary Author	Affiliation	Presentation Title	
9:40 AM	11:40 AM	CLIM	Platform	Christina Akly	591303	Yasser Saad Mohamed		Approaches for Setting up a Carbon Trading Scheme in Egypt	
9:40 AM	11:40 AM		Platform		590018	Cassandra Drotman	SCS Engineers	An Overview of the CARB Offset Program and Offset Protocols	
9:40 AM	11:40 AM		Platform		595392	Deanne Durward	Ramboll	Cost Comparison of Canadian Carbon Pricing Programs	
9:40 AM	11:40 AM		Platform		627600	Onil Bergeron	Ministère de l'Environnement et de la Lutte contre les changements climatiques	Quebec's Cap-and-trade system	
9:40 AM	11:40 AM		Platform		607241	Brent Boss		Additionality in Large-Scale US Based Projects – A Success Story	
9:40 AM	11:40 AM	H&EE	Platform	Suresh Santanam	600572	Helena Chapman	NASA Applied Sciences Program	Strengthening "One Health" Collaborations in Air Quality Management	
9:40 AM	11:40 AM		Platform		600376	Phil Norwood	SC&A Incorporated	Communities at Risk from Air Toxics - Deeper Analysis of NATA Results and Tool for a Path Forward	
9:40 AM	11:40 AM		Platform		600841	Christopher Long	Gradient	Validation Assessment of a Spatiotemporal Exposure Metric Developed for Use in Epidemiological Studies of Populations Living Near Unconventional Oil & Gas Well Pads	
9:40 AM	11:40 AM		Platform		590659	Christopher Lutes	Jacobs	Using Climate Zones, Architectural Knowledge and Low-cost Indicators to Build Efficient Vapor Intrusion (VI) Sampling Strategies	
9:40 AM	11:40 AM		Platform		601955	Chris Easter		Will California's Community Air Protection Program (AB 617) Achieve Environmental Justice?: A Predictive Analysis	
9:40 AM	11:40 AM	H&EE	Platform	Denis Choiniere	597180	Stéphane Cariou	IMT mines Ales	Chemical and odorous atmospheric emissions from the methanisation process: impact of raw materials and operating conditions	
9:40 AM	11:40 AM		Platform		601309	Rui Zeng	University of Toronto	Identification of Malodorous Compounds in the Automotive Interior Material	
9:40 AM	11:40 AM		Platform		590065	Robert Kemp	MetroVancouver	Cannabis Production Air Quality Issues	
9:40 AM	11:40 AM		Platform		592362	Derek Webb	BIOREM Technologies Inc.	Cannabis Cultivation as Good Neighbors. A Comprehensive Approach to Odor Management in the Nascent Industry	
9:40 AM	11:40 AM	Nanomaterials and Nanotechnology-based Products: Occupational and Consumer Safety, Management and Regulation	NANO	Panel	Yevgen Nazarenko	602100	Yevgen Nazarenko	McGill University	Nanomaterials and Nanotechnology-based Products: Occupational and Consumer Safety, Management and Regulation
9:40 AM	11:40 AM	New Source Review (NSR): Issues and Recent Developments	REGU	Panel	Gurinder Saini	590772	Gurinder (Gary) Saini	RTP Environmental Associates Inc.	New Source Review (NSR): Issues and Recent Developments
9:40 AM	11:40 AM	Industrial Air Quality Compliance	Platform	John Metzger	602106	Kelsey Klucas	3M Company	Compliance and Audit Management and Metrics System - 3M's Tool for Managing Environmental Compliance	
9:40 AM	11:40 AM		Platform		600682	David Rockman	Eckert Seamans Cherin & Mellott	Artificial Intelligence: A Crystal Ball look at Implications for Clean Air Act Compliance	
9:40 AM	11:40 AM		Platform		598054	Clara Poffenberger	CPELP LLC	The Power of Citizen Suits under the Clean Air Act: An Industry Perspective	
9:40 AM	11:40 AM		Platform		598836	Clara Poffenberger	CPELP LLC	Government Advocacy, First Amendment Rights and Climate Change Activism: A Look at the Issues in ExxonMobil v Healy (Massachusetts Attorney General)	
9:40 AM	11:40 AM		Platform		595217	Cara Fox	ALL4 LLC	Reduced Compliance Burden: Croda Inc. Mill Hall, PA "Once In, Always In" (OIAI) Policy Reversal	
9:40 AM	11:40 AM	Platform	594951	Alexandra Bromer	Environmental Lawyer	What's Really Changed? EPA and NGO Approaches to Title V in the Trump Era			
9:40 AM	11:40 AM	WASTE	Platform	Melanie Sattler	602266	Ruey-an Doong	National Tsing Hua University	Waste-to-energy conversion from various agricultural wastes for supercapacitor application	
9:40 AM	11:40 AM		Platform		602098	Shamia Hoque	University of South Carolina	Green Plasma technology for Siloxane removal and Landfill gas upgrade	
9:40 AM	11:40 AM		Platform		602309	Lisa Damiano	Sanborn Head & Associates, Inc.	Comparison of Greenhouse Gas Emissions: Waste-to-Energy vs. Landfilling	
9:40 AM	11:40 AM		Platform		582584			Sustainable Energy and Health: Concerns and Solutions for Rural Bangladesh	
9:40 AM	11:40 AM		Platform		599860	Michael Theodoulou		Methanics Biogas Upgrading System - Evaluating the use of membrane technology for Biogas Upgrade Treatment	
9:40 AM	11:40 AM	Platform	601533	John Atkinson		State University of New York - University at Buffalo	Greenhouse Gas Emissions Savings Associated with the Use of Waste-to-Energy Facilities, Compared to Landfilling		
1:30 PM	3:10 PM	EPA Priorities 2019-2020	MINI/REGU	Panel	Dave Jordan	592821	David Jordan	ERM	EPA Priorities 2019-2020
1:30 PM	3:10 PM	Quantifying VOC Emissions from the Marijuana Industry and Modeling Regional Ozone Impacts	AQES	Panel	Kaitlin Urso	575099	Kaitlin Urso	Colorado Dept Of Public Health and Environment	Quantifying Volatile Organic Compound Emissions from the Marijuana Industry and Modeling Regional Ozone Impacts
1:30 PM	3:10 PM	Personal and Indoor AQ Monitoring	Platform	Antony Chen	577504	Andre Butler	Mercer University	Household surveys and low-cost measurement of indoor air pollution in the Dominican Republic	
1:30 PM	3:10 PM		Platform		592268	Mohd Firdhaus Mohd Sahabuddin	University of Strathclyde	Evaluating the Indoor Air Quality in High-Rise Residential Buildings in Kuala Lumpur	
1:30 PM	3:10 PM		Platform		589399	Anne O'Donnell	HSST Conseils Inc.	Mold inspections made thorough with the assistance of highly trained dogs	
1:30 PM	3:10 PM		Platform		577487	Andrew Kelley		Personal exposure monitoring of airborne particulate using a low-cost sensor	
1:30 PM	3:10 PM	Photochemistry	Platform	Martin Gauthier	601298	Ying Xiong	University of Calgary	Ambient volatile organic compounds (VOCs) in two coastal cities in western Canada: Spatiotemporal variation, Source apportionment and Health risk assessment.	
1:30 PM	3:10 PM		Platform		633981	Marwa El-Sayed	Atmospheric Science Department, Colorado State University	Characterization of VOC composition, sources, and air quality impacts in protected areas of the southwestern United States	
1:30 PM	3:10 PM		Platform		602086	Yevgen Nazarenko	McGill University	Photochemical Transformations of Vehicle Exhaust Pollutants in Snow	
1:30 PM	3:10 PM		Platform		601995	Poojan Upadhaya		Meteorological Detrending of Ozone at Three Sites in the Dallas-Fort Worth Area: Application of KZ Filter and Multiple Linear Regression Analysis	
1:30 PM	3:10 PM		Platform		602451	Martin Gauthier	RWDI	Photochemical Modelling and Public Health in Peel Region	
1:30 PM	3:10 PM	Climate Change Impacts on Agriculture and Vice Versa	CLIM	Panel	Harish Rao	602277	Harish Rao	Rao Consulting Services Inc.	Climate Change Impacts on Agriculture and Vice Versa
1:30 PM	3:10 PM	Health Effects & Exposure - Part 2	Platform	Jim Morrow	600389	Ximena Fadic-Ruiz	UNIVERSIDAD TECNICA FEDERICO SANTA MARIA	Genotoxicity evaluation of vehicular emissions from diesel and biodiesel of different feedstocks using Tradescantia as a biomonitor, HAPs and Carbonyls characterization	
1:30 PM	3:10 PM		Platform		595268	Jonathan Vyskocil	Universite Laval	Efficiency of a percolating biofilter to reduce swine building bioaerosol emissions	
1:30 PM	3:10 PM		Platform		592556	Karine Duquette-Lozeau	CRIUCPQ-UL	Composting Recycled Manure Solid: Impact on Bioaerosols in Dairy Farms	
1:30 PM	3:10 PM		Platform		601547	Dahae Seong	University of South Carolina	Do indoor bacteria represent the indoor microbial characteristic as a 'biofingerprint'?	
1:30 PM	3:10 PM	Odor Detection, Control and Management - Part 2	Platform	Ray Porter	598835	Mathilde Chaignaud	OLENTICA	Better identify the molecules responsible for the odour in order to better control it. Methodological aspects.	
1:30 PM	3:10 PM		Platform		602623	David Giard	BBA inc.	FIDOR As a Tool To Assess Odour Impact From Industrial Sources	
1:30 PM	3:10 PM		Platform		595359	Elisabeth Lord	Biothermica Technologies Inc.	Odor nuisance evaluation in ambient air, a new approach more and more adopted	
1:30 PM	3:10 PM		Platform		615858	Angela Wanger	Trinity Consultants	The Frailty of Odour Units as a Compliance Measure	
1:30 PM	3:10 PM	Hot Topics in the Chemicals and Refining Industries	Platform	Karen Brignac	633968	Jeffrey Collett	Colorado State University	Emissions and near-field dispersion of air toxics from oil and gas drilling, completions, and production in Colorado: acute vs. chronic exposure potential	
1:30 PM	3:10 PM		Platform		605728	Charles Baukal	John Zink Hamworthy Combustion	Fired Heater Control to Reduce NOx	
1:30 PM	3:10 PM		Platform		601837	Harrison Roakes	Sanborn, Head & Associates	Light Non-Aqueous Phase Liquid (LNAPL) Site Closure Using Non-Traditional Field Data and Analysis	
1:30 PM	3:10 PM		Platform		633129	Li Du		Long-term Gaseous Air Toxics Measurements at a Petroleum Refinery Fenceline	
1:30 PM	3:10 PM	Platform	598863	Clara Poffenberger	CPELP LLC	Protecting Confidential Information in the Americas: Differences in Government Collection Authority, Public Access to Information, and Available Privileges			
1:30 PM	3:10 PM	Nanotechnology Research Advances	Platform	Yevgen Nazarenko	590620	Yu-Chun Chiang	Department of Mechanical Engineering, Yuan Ze University	Effects of carbonization temperatures of activated electrospun carbon nanofibers for carbon dioxide adsorption	
1:30 PM	3:10 PM		Platform		598058	Mainak Ganguly	McGill University	KAOLIN-IRONOXIDE-HG2CL2 NANOCOMPOSITES FOR ICE NUCLEATION AND ENVIRONMENTAL REMEDIATION	
1:30 PM	3:10 PM		Platform		598755	Chien Su	National Yang-Ming University	Using chitosan-TiO2 composites to recycle copper ions from water for antimicrobial application	
1:30 PM	3:10 PM	BACT Development and Implementation	REGU	Panel	Gurinder Saini	590784	Gurinder (Gary) Saini	RTP Environmental Associates Inc.	BACT Development and Implementation
1:30 PM	3:40 PM	Innovative Modeling Techniques: Regulatory Applications & Meteorology	Platform	Dave Long	616634	Sergio Guerra		PRIME2 Building Downwash Enhancements	
1:30 PM	3:40 PM		Platform		601883	Jeff Harrington		Hybrid Modeling Approaches Applied to AERMOD Modeling Analyses	
1:30 PM	3:40 PM		Platform		599865	Laura Warren	AECOM	Use of Thermal Satellite Imagery to Determine Urban Characteristics of Highly Industrial Areas	
1:30 PM	3:40 PM		Platform		600798	Michael Hammer	Lakes Environmental Software	A Case Study Analyzing Updates to the AERSURFACE Tool	
1:30 PM	3:40 PM		Platform		601136	Dennis Fudge	Saskatchewan Ministry of Environment	Assessing MIFF meteorological data used for Aermოდ modelling in central Canada.	
1:30 PM	3:40 PM		Platform		597881	Boris Weisman	Corporate EMC Limited	AERMOD Modeling Using the Interactive Modeling Approach	
1:30 PM	3:40 PM		Platform		571601	Anthony Sadar	Allegheny County Health Department, Air Quality Program	The Science Behind the Art of Forecasting Morning Temperature Inversions	