

Virtual ACE 2020 - Technical Council YP Best Paper Award Winners

1. Atmospheric Processes and Measurement (Air) Group

Winner: Paper # 795009, **Masoud Jahandar Lashaki**: Florida Atlantic University, Boca Raton FL and University of Ottawa, Ottawa, Canada; Abdelhamid Sayari: University of Ottawa, Ottawa, Canada ***Larger Pore Size and Higher Intrawall Pore Volume of the Support Enhance the CO₂ Adsorption Performance of Amine-Tethered SBA-15 Silica***

Runners-up: Paper # 805013, **Sheena E. Martenies**, Sheryl Magzamen, Sherry WeMott, Grace Kuiper: Colorado State University, Fort Collins, CO; William B. Allshouse, John L. Adgate: University of Colorado Anschutz Medical Campus, Aurora, CO, ***Using Low-cost Personal Monitors to Develop a Spatiotemporal Land Use Regression Model for Black Carbon in Denver, CO***

Paper # 796269, **Taylor Vencil**, Shari Beth Lubicki, Ralph Morris, Eric Lu, Michael Keinath, Jeremy Horne, Luke Pramod: Ramboll US Corporation, San Francisco, CA, ***Photochemical Grid Modeling for Single Source Projects and a Comparison to USEPA's Co-Benefits Risk Assessment (COBRA) Health Impacts Screening and Mapping Tool***

2. Environmental Management (EM) Group

Winner: Paper # 809767, **Georges Bou-Saab**: Arcadis, U.S. Inc., Columbus, OH; Archana Venkatachalapathy, Shauna Hallmark, Omar Smadi: Iowa State University, Ames, IA, ***Application of a Generic Calibration guidance to Assess the Precision of Vissim to Generate Real-World Vehicle Activity for Reliable Emissions Estimates***

Runner-up: Paper # 781164, **Andrew C. Eilbert**, Anne-Marie Chouinard, Tim A. Tierman, Scott B. Smith: U.S. Department of Transportation, Cambridge, MA, ***Performance Comparisons of Cooperative and Adaptive Cruise Control Testing***

3. Industrial, Power and Government Sectors (IPG) Group

Winner: Paper # 794993, **Aditya P. Shivkumar**, Sean R. Gregory: DSG Solutions, LLC; Gardner, MA; Eric A. Suess: California State University East Bay, Hayward, CA; David T. Suess: DSG Solutions, LLC, Shoreline, WA, ***Startup and Shutdown Air Permit Limit Development Framework for Combustion Sources Monitored by Continuous Emission Monitoring Systems***

4. Sustainability, Climate Change, Resource Conservation and Waste Management (SCRWM) Group

Winner: Paper # 809993, **Meagan T. Morrow**: Fleming College Environmental Engineering Graduate from Toronto, CA, ***Zero Municipal Solid Waste Management Framework That Integrates Reusable Packaging Through Centralized Recovery***

Runner-up: Paper # 795530, **Eliza Berry**, Arleen O'Donnell, Eastern Research Group, Inc. (ERG) ***Identifying Priority Climate Adaptation Needs for San Joaquin County's Transportation System***