

# **The 1<sup>st</sup> Street-in-Grid (SinG) Modeling Symposium and the 2<sup>nd</sup> SinG Model Training Workshop**

**May 24-25, 2018, Beijing, China**

## **List of Presentation Titles and Coauthors**

### **Street-in-Grid Modeling of Urban Air Pollution Using WRF/Chem-MUNICH over the Baltimore Metropolitan area in the U.S.**

Chinmay Jena, Chen Yuan, Yang Zhang, Youngseob Kim, Yelva Roustan, and Karine Sartelet

### **Development of a high-spatial and temporal on-road emission inventory based on the traffic data and its impact on air quality in Guangzhou**

Luolin Wu and Xuemei Wang

### **Development of a High Temporal-Spatial Resolution Vehicle Emission Inventory Based on NRT Traffic Data and Its Impact on Air Pollution in Beijing**

He Jianjun, Gong Sunling, Jing Boyu, Wu Lin, and Mao Hongjun

### **Air quality simulation over an urban street-network in Handan with MUNICH model**

Zhao L., Wang L. T., Ma X., Qi M. Y., Ji S. P. Lu X. H., and Wang Y.

### **Application of MUNICH model in the the Metropolitan Area of São Paulo, Brazil**

Mario Gavidia-Calderón, Sergio Ibarra-Espinosa, Veronika Brand, Yongseob Kim, Yang Zhang, Maria de Fatima Andrade.

### **A Method of Spatial-temporal Sensing and Simulation for Fugitive Dust Emission from Urban Roads**

SONG Hongquan, LI Xiaoyang, Zhao Haipeng, and KONG Yunfeng

### **WUDAPT database and infrastructure for multi-scale urban to street-level modeling**

Jason Ching

### **Simulation of street-level concentrations of gas-phase and particle-phase air pollutants using a multi-scale model**

Youngseob Kim, Lya Lugon, Karine Sartelet, Yelva Roustan, You Wu, and Christian Seigneur

### **Integrating Multiple Methods in Understanding PM<sub>2.5</sub> Sources in Beijing**

Mei Zheng, Yue Liu, Caiqing Yan, Xuhui Cai, and Jie Li

### **Fine scale real time air quality forecast for exposure**

Jimmy Fung and Alexis Lau

### **Using low cost air quality sensors for studies of vertical structure in the urban environment**

Rod Jones

### **Application of Street-in-Grid Model in an Urban Area of Beijing: Input Preparation**

Xin Li and Qiang Zhang

### **Modeling traffic-related particle dispersion in an urban built-up area with viaduct**

Y.T. Huang, Y.P. Luo, J.C. Chen, and Y.H. Liu