

## Argonne Oral and Poster Presentations at AGU 2018 Fall Meeting:

### MONDAY, DEC 10

#### Morning Posters (08:00 - 12:20) Walter E Washington Convention Center - Hall A-C

- B11E-2173 **Phenological, morphological, and physiological trait adaptations of contrasting switchgrass ecotypes across a latitudinal gradient**  
*Roser Matamala, Kathrine D Behrman, Julie D Jastrow, Felix Fritschi, Jason Bonnette, Scott M Hofmann, Joel Reyes-Cabrera, Timothy W Vugteveen and Thomas E Juenger*

### TUESDAY, DEC 11

#### 13:40 - 13:55 (Invited Oral) Walter E Washington Convention Center - 150B

- B23A-01 **A pan-arctic synthesis of nongrowing season respiration: Key drivers and responses to a changing climate**  
*Susan Natali, Jennifer Watts, Brendan M Rogers, Stefano Potter, ... Julie D Jastrow, et al. (72 coauthors total)*

### WEDNESDAY, DEC 12

#### Morning Posters (08:00 - 12:20) Walter E Washington Convention Center - Hall A-C

- B31E-2498 **Potential Decomposability of Permafrost Carbon Stocks in Ice-Wedge Polygons of the Alaskan Arctic Coastal Plain**  
*Julie D Jastrow, Roser Matamala, Chien-Lu Ping, Timothy W Vugteveen, Jeremy S Lederhouse, Scott M Hofmann, Gary J Michaelson and Umakant Mishra*
- B31E-2503 **Spatial Heterogeneity and Environmental Controllers of Organic Carbon Stocks of Permafrost Affected Soils**  
*Umakant Mishra, Roser Matamala, Julie D Jastrow and The Permafrost Carbon Network*
- B31F-2561 **Quantifying Cold Season Soil CO<sub>2</sub> Emissions in Alaska and Northwest Canada**  
*Jennifer Watts, Susan Natali, Christina Minions, Sarah Ludwig, Brendan M Rogers, Scott J Goetz, Leah Birch, Oliver Sonnentag, Eugenie Susanne Euskirchen, Masahito Ueyama, Elyn Humphreys, Donatella Zona, Walter C Oechel, Adrian V Rocha, Kyle Andreas Arndt, Manuel Helbig, Hiroki Ikawa, Hideki Kobayashi, Rikie Suzuki, Gerardo Celis, David A Risk, Peter Lafleur, Margaret S Torn, Sigrid Dengel, Edward Schuur, John Kimball, Julie D Jastrow, Scot Miller, Roisin Commene, Zhen Zhang, Benjamin Poulter, Yonghong Yi and Stan Wullschlegel*

### FRIDAY, DEC 14

#### 08:25 - 08:28 (Oral) Walter E Washington Convention Center - eLightning Theater II

- EP51B-09 **Pan-arctic flux of soil organic carbon to rivers by river bank erosion**  
*Joel C Rowland, Jon Schwenk, Eitan Shelef, Umakant Mishra, Jordan D Muss and Sophie J Stauffer*

#### 17:45 - 18:00 (Invited Oral) Walter E Washington Convention Center - Salon H

- C54A-08 **Exploring the interactions between thermal hydrology, soil structure, and dynamic topography in warming polygonal tundra**  
*Ethan Coon, Ahmad Jan, Julie D Jastrow, Scott L Painter and Cathy Jean Wilson*