

Agenda
 AI and Machine Learning SCINet Conference:
 Current Uses and Potential to Solve Complex Problems in Agriculture
 George Washington Carver Center GWCC 4-2223
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Posters

Authors	Affiliation	Title
Branstetter, Michael Michael.branstetter@usda.gov	USDA ARS PWA Pollinating Insects Research Unit (PIRU), Utah State University, Logan UT	Artificial Intelligence in Native Bee Identification and Delimitation
Chin, Elizabeth et al. Elizabeth.Chin@usda.gov	USDA ARS Western Human Nutrition Research Center, Immunity and Disease Prevention Research, Davis, CA	Nutrient estimation from 24-hour food recalls using machine learning and database mapping: a case study with lactose
Fukagawa, Naomi naomi.fukagawa@usda.gov	Beltsville Human Nutrition Research Center, Beltsville, MD	Li et. al: Grouping of Plant Foods Based on Similarities of Micronutrients for Improving Dietary Variety Ahuja et al.: Developing an Ingredient Dataset of Commercially Packaged Retail Foods, Using the USDA Branded Food Products Database, Illustrated with Food Category ‘Cookies’
Haley, Bradd et al. bradd.haley@usda.gov	Beltsville Agricultural Research Center, Environmental Microbial & Food Safety Lab, Beltsville, MD	Antimicrobial Resistance of Salmonella and E. coli from Dairy Animals
Hartman, Glen et al. Glen.hartman@usda.gov	Soybean/maize Germplasm, Pathology, and Genetics Research, Urbana, IL	Laboratory for Soybean Disease and Pest Research
Heilman, Phil et al. phil.heilman@usda.gov	Southwest Watershed Research Center, Tucson, AZ	Machine learning to better understand rangeland vegetation from plot to MLRA scale
Pachepsky, Yakov et al. yakov.pachepsky@usda.gov	Beltsville Agricultural Research Center, Environmental Microbial & Food Safety Lab, Beltsville, MD	AI and ML in the EMFSL research of microbial quality of irrigation waters
Parr, Cynthia et al. Cynthia.Parr@usda.gov	National Agricultural Library, Beltsville, MD	NLP for Data and Article Discovery and ARS Program Portfolio Analysis
Penning, Bryan et al. bryan.penning@usda.gov	Corn, Soybean and Wheat Quality Research, Wooster, OH	Roles for Machine Learning to Identify Genes in Complex Flour Quality Traits of Soft Winter Wheat
Peters, Debra et al. Deb.peters@usda.gov	Jornada Exp. Range, Las Cruces, NM	Greening of North American Deserts: Predicting Grass Responses using AI Technologies
Sattler, Scott et al. scott.sattler@usda.gov	Wheat, Sorghum and Forage Research, Lincoln, NE	Tailoring monolignol biosynthesis in sorghum (<i>Sorghum bicolor</i>) for emerging bioenergy and bioproduct applications
Savoy, Heather et al. Heather.savoy@usda.gov	Jornada Exp. Range, Las Cruces, NM	The DASH Portal: a gateway to simplified access and integration for long-term ecological data
Sohoulande, Clement et al. clement.sohoulande@usda.gov	Coastal Plain Soil, Water and Plant Conservation Research, Florence, SC	Multi-Scale Water and Nutrients Modeling for a Sustainable Agriculture

Sudduth, Ken et al. Ken.Sudduth@usda.gov	Cropping Systems and Water Quality Research Unit, Columbia, MO	Adjusting Fertilizer Recommendations using Soil Health Measurements
Woodward-Greene, Jennifer jennifer.woodward@usda.gov	National Agricultural Library, Beltsville, MD	Kiani, et al.: Improving the Search for Animal Use Alternatives
Veum, Kristen et al. kristen.veum@usda.gov	Cropping Systems and Water Quality Research, Columbia, MO	Proximal soil sensing and sensor data fusion for soil health assessment