

# ISTRO 2024 CONFERENCE PROGRAM (DRAFT – As of 3 September 2024)

Sunday, September 22 <sup>nd</sup> 5:00pm-10:00pm				
5:00pm– 7:00pm	<b>ARRIVAL AND ISTRO BOARD MEETING</b>			Beach Club Room
4:00pm-6:00pm	<b>REGISTRATION</b>			Atlantic Ballroom Foyer
6:00pm– 10:00pm	<b>ARRIVAL SOCIAL</b>			Mariners’ Court
Monday, September 23 <sup>rd</sup> 7:00am-1:00pm				
7:00am-8:00am	<b>BREAKFAST (provided)</b>			Atlantic Ballroom
7:00am-5:00pm	<b>REGISTRATION</b>			Atlantic Ballroom Foyer
8:00am-5:00pm	<b>POSTER SESSION DISPLAYED (TILLAGE)</b>			Atlantic Ballroom Foyer
8:00am-8:15am	Welcome From the College of Agriculture and Life Sciences, Virginia Tech	Main Session	Alan Grant	Atlantic Ballroom
8:15am-8:30am	Welcome From Virginia Cooperative Extension	Main Session	Mike Gutter	Atlantic Ballroom
8:30am-8:45am	Virginia Agricultural Experiment Station, Virginia Tech	Main Session	Kang Xia	Atlantic Ballroom
8:45am-9:00am	Virginia Agricultural Overview	Main Session	Mark Reiter	Atlantic Ballroom
9:00am-9:20am	Global Engagement Strategy for Virginia Tech's College of Agriculture and Life Sciences	Main Session	Thomas Thompson	Atlantic Ballroom
9:20am- 10:00am	<b>BREAK</b>			Atlantic Ballroom Foyer
10:00am- 10:45am	Agriculture Exports and The Port of Virginia: Four Centuries of Success and Partnership	Main Session	Greg Edwards	Atlantic Ballroom
10:45am- 11:45am	Keynote Speaker: Dr. Ole Wendroth	Main Session	Ole Wendroth	Atlantic Ballroom
12:00pm–1:00 pm	<b>LUNCH (Provided)</b>			Atlantic Ballroom
Monday, September 23 <sup>rd</sup> 1:00 pm to 7:00 pm				
1:00pm– 1:20pm	Effects of Traffic and Tillage Management Systems on Crop Establishment, Growth and Yield	Tillage	Paula Misiewicz	Cape Charles A
1:20pm-1:40pm	Effect of Long-Term Conservation Agricultural Practices on Soil Physical Health in Indo-Gangetic Planes of India	Tillage	Pragati Pramanik Maity	Cape Charles A
1:40pm-2:00pm	Comparison of Field Performance of Four-Wheel Tractor Attached with Rotary Tillers Under Lowland Rice Farming	Tillage	Arthur Libang Fajardo	Cape Charles A
2:00pm-2:20pm	Long-Term Organic and Conventional Cropping Systems Management Influences Soil Strength.	Tillage	Harry Schomberg	Cape Charles A
2:20pm-3:00pm	<b>BREAK</b>			Atlantic Ballroom Foyer
3:00pm-3:20pm	Dry-Wet Cycles are More Effective than Freeze-Thaw Cycles in Compacted Soil Recovery	Tillage	Muhammad Mohsin Nawaz	Cape Charles A
3:20pm-3:40pm	Low Inflation Pressure Tires Reduce the Effect of Agricultural Traffic on Soil Health and Crop Yields	Tillage	Magdalena Kaczorowska-Dolowy	Cape Charles A

3:40pm-4:00pm	Predicting Soil Strength at the Field Scale Using Proximal Sensors and Pedotransfer Function	Tillage	Ameesh Khatkar	Cape Charles A
4:00pm-4:20pm	Effects of Fallow Management Practices on Soil Water, Crop Yield and Water Use Efficiency in Winter Wheat Monoculture System: A Meta-Analysis	Tillage	Muhammad Adil	Cape Charles A
4:20pm-4:40pm	Impacts of Different Tillage and Cover Crop Management on Soil Physical Qualities and Organic Matter Stocks	Tillage	Ekrem Ozlu	Cape Charles A
4:40pm-5:00pm	In field soil compaction and phosphorus deficiency: effects on cash crops and penetration resistance	Tillage	Pedro Fariña	Cape Charles A
5:00pm-7:00pm	<b>POSTER SESSION (AUTHORS PRESENT) (TILLAGE) AND MIXER</b>			Atlantic Ballroom Foyer
<b>Monday, September 23<sup>rd</sup> 1:00 pm to 7:00 pm</b>				
1:00pm – 1:20pm	Use of Slug Shingle Refuge Traps in No-Till Fields to Establish Treatment Threshold and Slug Hatch Prediction Models in Full-Season Soybeans in Virginia	On-farm, applied research and extension	Doughty, Helene	False Cape B
1:20pm-1:40pm	Overview of Virginia Cooperative Extension Programs in Virginia’s Top Agricultural Counties	On-farm, applied research and extension	Pittman, Theresa	False Cape B
1:40pm-2:00pm	Extension Agent Led on-Farm Soybean Research in Virginia	On-farm, applied research and extension	Scott Reiter	False Cape B
2:00pm-2:20pm	ALFA™, A Gel-Formulated Soil Inoculant Improves Tolerance to Abiotic Stress, Plant Health, and Yield	On-farm, applied research and extension	Cassandra Rieser	False Cape B
2:20pm 3:00pm	<b>BREAK</b>			
3:00pm-3:20pm	Supporting Farmers Towards on Regenerative Agriculture	On-farm, applied research and extension	Michael Geloan	False Cape B
3:20pm-3:40pm	55 Years of No-Tillage and Crop Residue Retention on a Vertisol in North-Eastern Australia	On-farm, applied research and extension	Yash Dang	False Cape B
3:40pm-4:00pm	The Dashboard as a Tool for Monitoring the Improvement of Soil Fertility and Support Agroecological Transition	On-farm, applied research and extension	Anne-Sophie Perrin	False Cape B
4:00pm-4:20pm	Effects of Inoculation on Productivity and Nutritional Quality Using Different Species of Mushrooms	On-farm, applied research and extension	OKE Afolabi	False Cape B
4:20pm – 5:00pm	Proactive Nutrient Monitoring of Soybean Leaf Potassium Concentrations	On-farm, applied research and extension	Carrie Ortel	False Cape B
5:00pm-7:00pm	<b>POSTER SESSION (AUTHORS PRESENT) (TILLAGE) AND MIXER</b>			Atlantic Ballroom Foyer
<b>Monday, September 23<sup>rd</sup> 1:00 pm to 7:00 pm</b>				
1:00p –1:20pm	Effectiveness Of Using FGD Gypsum to Reduce Dissolved P Losses from A Corn Field Receiving Poultry Litter	Environmental quality	Dexter Watts	Cape Henry C

1:20pm-1:40pm	Commercial Wood Biochar Reduces Nutrient Leaching from Inorganic Fertilizers in A Sandy Loam Soil: Effects of Feedstock Types and Nutrient Forms	Environmental quality	Huijie Gan	Cape Henry C
1:40pm-2:00pm	The Influence of Crop Rotation, Monoculture, And Intensive Farming on Phenolic Compounds of Winter Rye ( <i>Secale Cereale</i> L.) Roots	Environmental quality	Mindaugas Dorelis	Cape Henry C
2:00pm-2:20pm	<b>BREAK</b>			Atlantic Ballroom Foyer
2:20pm - 3:00pm	Improving the Analysis of In-Season Effects of Cover Crops, Crop Rotation and Tillage on Nitrate Leaching Using a Generalized Additive Model Approach for Time-Series Data	Environmental quality	Jorge Federico Miranda-Vélez	Cape Henry C
3:00pm-3:20pm	Greenhouse Gas Emissions in Response to Tillage and Crops in Sugar Beet-Spring Wheat-Pea Rotation	Environmental quality	Upendra Sainju	Cape Henry C
3:20pm-3:40pm	Microplastics' Impact: Altering Soil Stability and High-Energy Moisture Dynamics	Environmental quality	Nasrollah Sepehrnia	Cape Henry C
3:40pm-4:00pm	Assessment of Irrigation Dam for Sustainable Agricultural Production in Kwara State Polytechnic	Environmental quality	Dauda Kola Abdulkadir	Cape Henry C
5:00pm-7:00pm	<b>POSTER SESSION (AUTHORS PRESENT) (TILLAGE) AND MIXER</b>			Atlantic Ballroom Foyer
<b>Tuesday, September 24<sup>th</sup> 7:00am-1:00pm</b>				
7:00am-8:00am	<b>BREAKFAST (provided)</b>			Atlantic Ballroom
7:00am-5:00pm	<b>REGISTRATION</b>			Atlantic Ballroom Foyer
8:00am-5:00pm	<b>POSTER SESSION DISPLAYED (SOIL AND WATER, SOIL FERTILITY, PRECISION AG, ON-FARM RESEARCH)</b>			Atlantic Ballroom Foyer
8:00am-8:20am	Pilot Exchange Program to Tackle Food Security Challenges in Ghana Through Community Gardens	Global food security challenges	Mary Michael Lipford Zahed	Cape Charles A
8:20am-8:40am	Improving Food and Nutrition Security and Health in Ghana: The Impact of the Home Gardening Ghana Facebook Page	Global food security challenges	Frank Ackah	Cape Charles A
8:40am - 9:00am	Integrated Use of Organic Amendments Increased Mungbean ( <i>Vigna Radiata</i> (L.) Wilczek) Yield and Its Components Compared to Inorganic Fertilizers	Global food security challenges	Andre Diatta	Cape Charles A
9:00am - 9:20am	Assessing the transition to organic farming and soil tillage practices from the perspective of farmers	Global food security challenges	Apolka Ujj	Cape Charles A
9:20am-9:40am	Measurement and Estimation of Evapotranspiration and Infiltration Fluxes in a No-Till Maize Field: a Long-Term Experiment Study	Soil and water management	Yili Lu	Cape Charles A
9:40am-10:00am	Improving Soil Quality Through Agroecological Practices Incorporation	Soil fertility and plant nutrition	Jana Marjanović	Cape Charles A
9:40am-10:00am	Saturated Hydraulic Conductivity Can Be Affected by Limes and Phosphogypsum Reapplications on No-Tillage? Residual and Initial Effects	Soil and water management	Lucas Aguiar	Cape Charles A
10:00am - 10:20am	<b>BREAK</b>			Atlantic Ballroom Foyer
10:20am - 10:40am	Use of Biodegradable Superabsorbent Polymers for Enhancing Agricultural Productivity in Marginal and Stress-Prone Areas: Overview and Prospects	Soil and water management	Saddam Hussain	Cape Charles A
10:40am - 11:00am	Investigating Crop Cultivation in Sloping Lands and the Environmental Challenges of Water and Soil and Floods	Soil fertility and plant nutrition	Hosein Ghasemnezhad	Cape Charles A
11:00am - 11:20am	Recycling Agrowastes for Soil Water Conservation In A Bioeconomy: A Case Study of Sawdust	Soil fertility and plant nutrition	Samuel Ohanyere	Cape Charles A
11:20am - 11:40am	Design and Analysis of Ultrasound Wave Pre-Treatment Device for Quality Retention Prior to Freezing and Ambient Storage of Tomatoes	Global food security challenges	Adeshina Fadeyibi	Cape Charles A

11:40am - 12:00pm				
12:00pm – 1:00 pm	<b>LUNCH (Provided)</b>			Atlantic Ballroom
<b>Tuesday, September 24<sup>th</sup> 7:00am-1:00pm</b>				
7:00am-8:00am	<b>BREAKFAST (provided)</b>			Atlantic Ballroom
7:00am-5:00pm	<b>REGISTRATION</b>			Atlantic Ballroom Foyer
8:00am-5:00pm	<b>POSTER SESSION DISPLAYED (SOIL AND WATER, SOIL FERTILITY, PRECISION AG, ON-FARM RESEARCH)</b>			Atlantic Ballroom Foyer
8:00am-8:20am	Process-Based Modeling Insights into Annual Weather Variability Effects on Corn Yields in a Long-Term Experiment	Precision agriculture and modeling	Kathryn White	False Cape B
8:20am-8:40am	Soil Mapping for Carbon Sequestration and Regenerative Agriculture Using Gamma Analysis Technology	Precision agriculture and modeling	H. Allen Torbert	False Cape B
8:40am-9:00am	Measuring and Mapping Soil Moisture in Agricultural Fields by Neutron-Gamma Analysis	Precision agriculture and modeling	Galina Yakubova	False Cape B
9:00am - 9:20am	Optimization of a Sweep Geometry and Working Parameters Using Discrete Element Method and Genetic Algorithm	Precision agriculture and modeling	Bence Szabó	False Cape B
9:20am - 9:40am	Development of a Two-Way Coupled DEM-FEM Simulation Procedure and Software for Modelling Soil-Passive Vibration Tool Interaction	Precision agriculture and modeling	László Pásthly	False Cape B
9:40am-10:00am	Development of a 3-Dimensional Discrete Element Software for Modelling Soil-Tool-Deformable Object Interactions in Tillage Processes	Precision agriculture and modeling	László Pásthly	False Cape B
10:00am - 10:20am	<b>BREAK</b>			Atlantic Ballroom Foyer
10:20am - 10:40am	Emerging Intelligent Irrigation Technologies and Their Prospects in Minimizing Crop Damage During Production	Precision agriculture and modeling	Kehinde Alabi	False Cape B
10:40am - 11:00am	Model to Simulate Fuel Consumption and Sowing Performance Based on Adjustable Settings on Tractor-Tire-Tool System for Barley on Loamy Soil	Precision agriculture and modeling	Hamza Mohieddinne	False Cape B
11:00am - 11:20am	Designing and Developing a Two-Row Animal-Drawn Automatic Transplanting Machine for Onion	Precision agriculture and modeling	Abera Aragaw	False Cape B
11:20am - 11:40am	Influence of Different Rhizome Sizes and Operational Speed on the Field Capacity and Efficiency of A Three-Row Turmeric Rhizome Planter	Precision agriculture and modeling	Chukwudi Muogbo	False Cape B
11:40am - 12:00pm	Development of an Embedded System for Liquid Fertilizer Application Machine	Precision agriculture and modeling	Sunday Kayode	False Cape B
12:00pm – 1:00 pm	<b>LUNCH (Provided)</b>			Atlantic Ballroom
<b>Tuesday, September 24<sup>th</sup> 7:00am-1:00pm</b>				
7:00am-8:00am	<b>BREAKFAST (provided)</b>			Atlantic Ballroom
7:00am-5:00pm	<b>REGISTRATION</b>			Atlantic Ballroom Foyer
8:00am-5:00pm	<b>POSTER SESSION DISPLAYED (SOIL AND WATER, SOIL FERTILITY, PRECISION AG, ON-FARM RESEARCH)</b>			Atlantic Ballroom Foyer
8:00am-8:20am	Cover Crop Biomass, Benefits, and the Importance of Fall Versus Spring Sampling	Regenerative Agriculture	Nathan Sedghi	Cape Henry C
8:20am-8:40am	Soil Organic Carbon, Water Availability and Vegetable Crops Yields in Rotation with In-Situ Grown Cover Crops on Conventional and Reduced Tillage Systems	Regenerative Agriculture	Florencia Alliaume	Cape Henry C

8:40am-9:00am	Impact Of Crop Rotations and Crop Residue on Soil Organic Fractions in Temperate Regions	Regenerative Agriculture	Mauricio Bustamante	Cape Henry C
9:00am - 9:20am	Assessing Soil Chemical Properties from Crop Silage Pasture Rotation Intensity	Regenerative Agriculture	Guillermo Siri	Cape Henry C
9:20am - 9:40am	The Positive Contribution of the Mineral Inducer Process-Based Biostimulants to Sustainable Agriculture in the Current Climate Changes	Regenerative Agriculture	Benoit LeRumeur	Cape Henry C
9:40am-10:00am	Long Term Application of Soil Biostimulant Positively Contributes to The Soil Health and Structural Organization	Regenerative Agriculture	Benoit LeRumeur	Cape Henry C
10:00am - 10:20am	<b>BREAK</b>			Atlantic Ballroom Foyer
10:20am - 10:40am	Elements of Sustainable Intensified Agricultural Systems with Cover Crop Inclusion	Regenerative Agriculture	Shalamar Armstrong	Cape Henry C
10:40am - 11:00am	Regenerative Agriculture - Seeking Sustainable Farming Systems Through Integrated Management Approaches.	Regenerative Agriculture	Nathan Morris	Cape Henry C
11:00am - 11:20am	The Integration of Cover Crops and Soil Tillage to Improve Crop Production Efficiency in a Long Running UK Field Experiment	Regenerative Agriculture	Nathan Morris	Cape Henry C
11:20am - 11:40am	A Simple Spade Method for a Scaled-Up Assessment of Soil Structure by Advisors and Farmers	Regenerative Agriculture	Stéphane Cadoux	Cape Henry C
11:40am - 12:00pm	Efficiency of the Biomethod for Reducing Carbon Dioxide from the Soil	Regenerative Agriculture	Kristina LekaviČienė	Cape Henry C
12:00pm – 1:00 pm	<b>LUNCH (Provided)</b>			Atlantic Ballroom
<b>Tuesday, September 24<sup>th</sup> 1:00pm-3:40pm</b>				
1:00pm – 1:20pm	Unlocking Legacy Soil Phosphorus Dynamics: Agricultural Lime as a Phosphorus Mining Strategy on the Delmarva Peninsula	Soil fertility and plant nutrition	Thomas Badon	Cape Charles A
1:20pm-1:40pm	Soil Chemistry Determinations Using Neutron-Gamma Analysis	Soil fertility and plant nutrition	Aleksandr Kavetskiy	Cape Charles A
1:40pm-2:00pm	Utilizing Cover Crops to Reduce Fertilizer Inputs in Corn Production On Sandy Loam Soils	Soil fertility and plant nutrition	Joseph Haymaker	Cape Charles A
2:00pm-2:20pm	Evaluating Varying Seeding Methods of Cover Crops on Soil Nitrogen Uptake and Biomass Production	Soil fertility and plant nutrition	Mary Michael Lipford Zahed	Cape Charles A
2:20pm-3:20pm	<b>POSTER SESSION (AUTHORS PRESENT) AND BREAK</b>			Atlantic Ballroom Foyer
3:20pm-3:40pm	Cultivation of Soil Health Quality in Coastal Saline Soil: Based on Soil Structure and Microbial Indicators	Soil fertility and plant nutrition	Shenggao Lu	Cape Charles A
3:40pm-4:00pm	Effects of Reduced Tillage and Agronomy Practices on Physical and Chemical Properties of Sandy Loam Soil and Growth Component of Soybean ( <i>Glycine Max L</i> )	Soil fertility and plant nutrition	Ezekiel Olanrewaju Ariyo	Cape Charles A
4:30pm-5:30pm	<b>POSTER SESSION (AUTHORS PRESENT) AND BREAK</b>			Atlantic Ballroom Foyer
5:30pm-7:30pm	<b>ISTRO GENERAL ASSEMBLY</b>			Atlantic Ballroom
<b>Tuesday, September 24<sup>th</sup> 1:00pm-4:20pm</b>				
1:00pm– 1:20pm	Cover Crop Decision Support Tools: Free, Open-source Resources for U.S. Agriculture Professionals	Precision agriculture and modeling	Elizabeth Seyler	False Cape B

1:20pm-1:40pm	Performance Evaluation of Solar Powered Locust Bean Washing Machine	Precision agriculture and modeling	Rasheed Amao Busari	False Cape B
1:40pm-2:00pm	Crop Growth Under-Performance: A Theoretical Approach for Agronomic Interpretation of Earth Observation Data Through the Growing Season	Precision agriculture and modeling	Erin Goh	False Cape B
2:00pm-2:20pm	Effect of Soil Autocorrelational Properties on Regression Model Choice for Mapping Soil Organic Carbon in Hyperspectral Images	Precision agriculture and modeling	Shayan Kabiri	False Cape B
2:20pm – 3:20pm	<b>POSTER SESSION (AUTHORS PRESENT) AND BREAK</b>			Atlantic Ballroom Foyer
3:20pm-4:00pm	Potentials of Artificial Intelligence Applications to Soil Tillage	Tillage	Akindete Folarin Alonge	False Cape B
4:00pm-4:20pm	Design Considerations of Mobility and Traffic Management Systems for Improved Efficiency and Soil Sustainability	Tillage	Diogenes Antille	False Cape B
4:20pm-4:40pm	Does No-Till Farming Produce Unfavorable Soil Physical Conditions That Impairs Maize Growth In Northeast China?	Tillage	Shijie Qin	False Cape B
4:40pm-5:00pm	Conservation Tillage Increased Lodging Resistance of Maize in the Black Soil Region of Northeast China	Tillage	Xiaoqing Wei	False Cape B
4:30pm-5:30pm	<b>POSTER SESSION (AUTHORS PRESENT) AND BREAK</b>			Atlantic Ballroom Foyer
5:30pm-7:30pm	<b>ISTRO GENERAL ASSEMBLY</b>			Atlantic Ballroom
<b>Tuesday, September 24<sup>th</sup> 1:00pm-7:00pm</b>				
1:00pm – 1:20pm	Enhancing Sustainability in Organic Soybean Farming with Reduced Carbon Footprints Through No-Tillage and Rye Cover Crops	Regenerative Agriculture	Qiliang Huang	Cape Henry C
1:20pm-1:40pm	Litter Decomposition Rate in an Acrisol Seven Years After Rice Straw Biochar Amendment Using the Teabag Approach	Regenerative Agriculture	Peter Bilson Obour	Cape Henry C
1:40pm-2:00pm	Implementing Regenerative Organic Farming in The Asian Monsoon Region Improves Soil Health and Quality for Soybean Production	Regenerative Agriculture	Ratih Kemala Dewi	Cape Henry C
2:00pm-2:20pm	Characterization of Biochar Pellets Using Different Feedstock	Regenerative Agriculture	Arthur Libang Fajardo	Cape Henry C
2:20pm – 3:20pm	<b>POSTER SESSION (AUTHORS PRESENT) AND BREAK</b>			Atlantic Ballroom Foyer
3:20pm-3:40pm	Cover Crop - Reduced Tillage Systems Without Herbicides and Chemical Fertilizers In Onion Cultivation: Promising but Challenges Remain	Regenerative Agriculture	Mariana Scarlato	Cape Henry C
3:40pm-4:00pm	Analysis of Soil Pore Anisotropy Induced by Bio-Subsoiler Roots	Regenerative Agriculture	Mansonia Alejandra Pulido Moncada	Cape Henry C
4:00pm-4:20pm				
4:20pm-4:40pm				
4:40pm-5:30pm	<b>POSTER SESSION (AUTHORS PRESENT) AND BREAK</b>			Atlantic Ballroom Foyer
5:30pm-7:30pm	<b>ISTRO GENERAL ASSEMBLY</b>			Atlantic Ballroom
<b>Wednesday, September 25<sup>th</sup> 8:00am-5:00pm</b>				
7:00am-8:00am	<b>BREAKFAST (provided)</b>			Atlantic Ballroom

7:00am-5:00pm	<b>REGISTRATION</b>			Atlantic Ballroom Foyer
8:00am - 5:00pm	<b>TOUR (LOAD BUSES AT 8AM)</b>			
<b>Thursday, September 26<sup>th</sup> 7:00am-1:00pm</b>				
7:00am-8:00am	<b>BREAKFAST (provided)</b>			Atlantic Ballroom
7:00am-5:00pm	<b>REGISTRATION</b>			Atlantic Ballroom Foyer
8:00am-5:00pm	<b>POSTER SESSION DISPLAYED (ENVIRONMENTAL QUALITY, REGENERATIVE AG)</b>			Atlantic Ballroom Foyer
8:00am-8:20am	Nature-Based Practices Improve Soil Health and Productivity in Saline Soil Of Semi-Arid Region	Soil and water management	Nirmalendu Basak	Cape Charles A
8:20am-8:40am	New Insights into Overcoming Soil Water Repellency; A Major Tillage Problem	Soil and water management	Naveeda Majid	Cape Charles A
8:40am-9:00am	Assessment of Physical Properties of Light Mountain Chestnut Arable Soils Under Rainfed Conditions in Azerbaijan	Soil and water management	Asmar Ahmadova	Cape Charles A
9:00am - 9:20am	Monitoring the State of Subsoil Compaction in Swedish Arable Soils	Soil and water management	Ararso Etana	Cape Charles A
9:20am - 9:40am	Functionality of the Soil Pore System in a Micro-Watershed Formed by Wet Meadows (Vegas) in the Southernmost Chilean Patagonia.	Soil and water management	Jorge Ivelic-Sáez	Cape Charles A
9:40am-10:00am	Fog Water Harvesting Potential Using Passive Harvesters in The Namib Desert	Soil and water management	Hupenyu Allan Mupambwa	Cape Charles A
10:00am - 10:20am	<b>POSTER SESSION (AUTHORS PRESENT) AND BREAK</b>			Atlantic Ballroom Foyer
10:20am - 10:40am	Fractionation of Soil Evaporative Water Losses Using Hydrogen and Oxygen Stable Isotopes Under Different Mulch Covered Soil-Column	Soil and water management	Mohamad Abdul Kader	Cape Charles A
10:40am - 11:00am	Synthesis, Characterization, and Sustainable Applications of Nanocellulose-Based Hydrogels Derived from Vitex Doinna for Precision Water Management	Soil and water management	Abubakar Ibrahim Suleiman	Cape Charles A
11:00am - 11:20am	Light Colour Effect on the Performance of Vegetables Grown in a Confined Environment with the Use Drip Irrigation System	Soil and water management	Oke Afolabi	Cape Charles A
11:20am - 11:40am	Development of Agrohydrology in Relation to Critical Zone Science	Soil and water management	Ying Zhao	Cape Charles A
11:40am - 12:00pm	Soil Structure Conservation and Its Relevance for Pasture Productivity in Grazing Systems On Andosols of Southern Chile	Soil and water management	José Dörner	Cape Charles A
12:00pm – 1:00 pm	<b>Lunch (Provided)</b>			Atlantic Ballroom
<b>Thursday, September 26<sup>th</sup> 7:00am-1:00pm</b>				
7:00am-8:00am	<b>BREAKFAST (provided)</b>			Atlantic Ballroom
7:00am-5:00pm	<b>REGISTRATION</b>			Atlantic Ballroom Foyer
8:00am-5:00pm	<b>POSTER SESSION DISPLAYED (ENVIRONMENTAL QUALITY, REGENERATIVE AG)</b>			Atlantic Ballroom Foyer
8:00am-8:20am	Evaluation of the Accuracy of Terranimo® in Predicting the Risk of Soil Compaction for Agricultural Operations Carried Out Under the Pedoclimatic Conditions of Northern France	Tillage	Carolina Ugarte	False Cape B

8:20am-8:40am	Assessing Machinery-Induced Compaction During Land Use Change: A Laboratory Evaluation Study	Tillage	Shoaib Ahmed	False Cape B
8:40am-9:00am	Lessons From 10 Years of Direct Seeding Under Cover Crop in Organic Agriculture	Tillage	Joséphine Peigné	False Cape B
9:00am - 9:20am	The Effect of Maize Cultivation with Under Sown Intercrops on Yield	Tillage	Pavĺna Smutnā	False Cape B
9:20am - 9:40am	The Effect of Maize Cultivation with Undersown Intercrops on Soil Fertility and Reduction of Soil Erosion	Tillage	Vladimir Smutny	False Cape B
9:40am-10:00am	Effect of Implement Weight on the Performance of the Disc Plough	Tillage	Utunji Isaac Tanam	False Cape B
10:00am - 10:20am	<b>POSTER SESSION (AUTHORS PRESENT) AND BREAK</b>			Atlantic Ballroom Foyer
10:20am - 10:40am	Present State of Soil Structure: A Comparison of Cropland and Grassland Soils in North Germany	Tillage	Conrad Wiermann	False Cape B
10:40am - 11:00am	Possibilities to Use Plant Roots to Loosen Up Subsoil Compaction on a Silt Soil in South-East Norway	Tillage	Till Seehusen	False Cape B
11:00am - 11:20am	Spatio-Temporal Dynamics of Soil Penetration Resistance Depending on Different Conservation Tillage Systems	Tillage	Danijel Jug	False Cape B
11:20am - 11:40am	A Preliminary Modelling Framework for Spatialization of Soil Compaction at the Field Scale	Tillage	Alvaro Calleja Huerta	False Cape B
11:40am - 12:00pm	Impact of Strip-Till and No-Till Systems on Soil, Crop, and Environment	Tillage	Zita Kriauciuniene	False Cape B
12:00pm – 1:00 pm	<b>Lunch (Provided)</b>			Atlantic Ballroom
<b>Thursday, September 26<sup>th</sup> 7:00am-1:00pm</b>				
7:00am-8:00am	<b>BREAKFAST (provided)</b>			Atlantic Ballroom
7:00am-5:00pm	<b>REGISTRATION</b>			Atlantic Ballroom Foyer
8:00am-5:00pm	<b>POSTER SESSION DISPLAYED (ENVIRONMENTAL QUALITY, REGENERATIVE AG)</b>			Atlantic Ballroom Foyer
8:00am-8:20am	Honeybee Pollination Efficiency for Conventional and Twin-Row Seeded Sunflower	Regenerative Agriculture	Bojan Stipesevic	Cape Henry C
8:20am-8:40am	Strategies of Crop Diversification, Cover Crop Implementation and Flexible Tillage to Improve Soil Fertility and The Multi-Performance of Cropping Systems	Regenerative Agriculture	Domitille Jamet	Cape Henry C
8:40am-9:00am	Tillage Practices Impact Soil Structural Characteristics Related to the Prevalence of Anoxic Conditions Along a Pedoclimatic Gradient	Regenerative Agriculture	Loraine Ten Damme	Cape Henry C
9:00am-9:20am	Restoring Degraded Lands Through Grass-Legume Mixtures Can Improve Soil Functionality in the Semi-Arid India	Regenerative Agriculture	Avijit Ghosh	Cape Henry C
9:20am-9:40am	Root Growth of Perennial Green Fallow Crops in Macropores of Fine-Textured Soils	Regenerative Agriculture	Laura Alakukku	Cape Henry C
9:40am-10:00am	Enhancing Organic Rice Production in Central Japan through No-Till and Cover Crop Management	Regenerative Agriculture	Masakazu Komatsuzaki	Cape Henry C
10:00am-10:20am	<b>POSTER SESSION (AUTHORS PRESENT) AND BREAK</b>			Atlantic Ballroom Foyer



10:20am-10:40am	Long-Term Effects of Agronomic Practices on Wheat Yield and NUE in Dryland Regions of USA And China: A Long-Term Meta-Analysis	Regenerative Agriculture	Muhammad Adil	Cape Henry C
10:40am-11:00am	Barriers To Regenerative Agricultural Practices Among Maize Farmers in Northern Ghana: Implications for Sustainable Development	Regenerative Agriculture	Festus Annor-Frempong	Cape Henry C
11:00am-11:20am	Unlocking A "Good Soil Discount": Quantifying the Risk Reducing Benefits of Soil Health Practices	Regenerative Agriculture	Aria McLaughlan	Cape Henry C
11:20am-11:40am	Rice Productivity and Stability On Contrasting Crop-Pasture Rotation Systems	Regenerative Agriculture	Manuel Aguirre	Cape Henry C
11:40am-12:00pm	Livestock Integration and the Role of Roots on Soil Physical Quality Under Conservation Agriculture	Regenerative Agriculture	Karina Cavalieri-Polizeli	Cape Henry C
12:00pm- 1:00 pm	<b>LUNCH (Provided)</b>			Atlantic Ballroom
<b>Thursday, September 26<sup>th</sup> 1:00pm-9:00pm</b>				
1:00pm – 1:20pm	Seed Impact Mills: A Potential Tool to Preserve No- And Reduced-Tillage Systems From Herbicide Resistance	Crop protection	Eli Russell	Cape Charles A
1:20pm-1:40pm	Research of Changes in Soil Physical Properties Using Conventional and Autonomous Robotic Inter-Row Cultivation Methods	Crop protection	Indrè Bručienė	Cape Charles A
1:40pm-2:00pm	Design and Development of a Reciprocating Blade Power Weeder	Crop protection	Samson Olubo	Cape Charles A
2:00pm-2:20pm				
2:20pm – 3:00pm	<b>POSTER SESSION (AUTHORS PRESENT) AND BREAK</b>			Atlantic Ballroom Foyer
3:00pm-3:20pm	Herbicide Resistance Expression Italian Ryegrass in Response to Edaphic Factors	Crop protection	Andrew Ahlersmeyer	Cape Charles A
3:20pm-3:40pm	Modification and Performance Evaluation of a Parabolic Solar Food Dryer	Crop Protection	Muideen Olasunkanmi Zubair	Cape Charles A
3:40pm– 4:00pm	Dairy Effluent Applications to A Pasture Enhance Soil Microbial Activity and Fertility Without Impacting Soil Bacterial and Fungal Communities	Soil biology and biochemistry	Gabriela Illarze	Cape Charles A
4:00pm-5:00pm	<b>POSTER SESSION (AUTHORS PRESENT) AND BREAK</b>			Atlantic Ballroom Foyer
5:30pm	<b>LOAD BUSES</b>			
7:00pm-9:00pm	<b>SPIRIT OF NORFOLK DINNER CRUISE</b>			
<b>Thursday, September 26<sup>th</sup> 1:00pm-9:00pm</b>				
1:00pm – 1:20pm	Designing And Modeling Novel Manure Land Application Toolbars Through Numerical Simulations	Tillage	Zhiwei Zeng	False Cape B
1:20pm-1:40pm	Persistent Soil Compaction Remains Evident in The Subsoil of A Silt Loam Even After 28 Years	Tillage	Maliheh Fouladidorhani	False Cape B
1:40pm-2:00pm	Powered Disc Harrow Performance with Different Tillage Discs for Crop Residue Management	Tillage	Parish Prakash Nalavade	False Cape B
2:00pm-2:20pm				False Cape B
2:20pm – 3:00pm	<b>POSTER SESSION (AUTHORS PRESENT) AND BREAK</b>			Atlantic Ballroom Foyer

3:00pm-3:20pm	A Comparative Assessment of The Effect of Tillage Methods on Growth Parameters and Yield Performance of Maize in Two Contrasting Agroecological Zones of Rwanda: Towards Efficient and Sustainable Use of Mineral Fertilizers	Tillage	Jean Damascene Tuyizere	False Cape B
3:20pm-3:40pm	Bio-Tillage: A New Perspective for Sustainable Agriculture	Tillage	Zhongbin Zhang	False Cape B
3:40pm-4:00pm	Evaluating Soil Physical Quality of a Vertisol as Affected by Different Tillage Practices Under Wheat-Maize System	Tillage	Xinhue Peng	False Cape B
4:00pm-4:20pm	Tractor-Induced Compactive Effect on the Yield of Egusi-Melon ( <i>Colocynthus Citrullus</i> L.) Produced in South-East Nigeria	Tillage	Sabbas Asoegwu	False Cape B
4:00pm-5:00pm	<b>POSTER SESSION (AUTHORS PRESENT) AND BREAK</b>			Atlantic Ballroom Foyer
5:30pm	<b>LOAD BUSES</b>			
7:00pm-9:00pm	<b>SPIRIT OF NORFOLK DINNER CRUISE</b>			
<b>Thursday, September 26<sup>th</sup> 1:00pm-9:00pm</b>				
1:00pm – 1:20pm	Knowledge, Attitude and Practices of Small Holder Farmers on Conservation Agriculture in Rwanda	Regenerative Agriculture	Jean Damascene Tuyizere	Cape Henry C
1:20pm-1:40pm	Near Saturation Water Retention and Structural Stability of Soils: Effect of Long-Term Land Use and Polyacrylamide Rate	Regenerative Agriculture	Amrakh I. Mamedov	Cape Henry C
1:40pm-2:00pm	Regeneration of the Subsoil Pore Structure of a Compacted Silt Loam After Five Years	Tillage	Emmanuel Arthur	Cape Henry C
2:00pm-2:20pm	Add-on Modified Paddy Rice Transplanter and Upland Crop Seeder for No-Till Applications in Small-Scale Organic Farming	Tillage	Koichi Shoji	Cape Henry C
2:20pm – 3:00pm	<b>POSTER SESSION (AUTHORS PRESENT) AND BREAK</b>			Atlantic Ballroom Foyer
3:00pm-3:20pm	The Alleviation Effects of Different Soybean Genotypes to Soil Compaction	Tillage	Lidong Ren	Cape Henry C
3:20pm-3:40pm	Prospects of Energy Transition in Tillage Operations in Sub-Saharan Africa	Tillage	Samuel Ohanyere	Cape Henry C
3:40pm-4:00pm	GIS-Based Assessment of Lowland Rice Areas for Rice Machinery Suitability in Selected Regions of The Philippines	Tillage	Rossana Marie Amongo	Cape Henry C
4:00pm-4:20pm	Effects of the Cone Size of a Cone Penetrometer on the Measured Soil Cone Indices	Tillage	Ernest Owusu-Sekyere	Cape Henry C
4:00pm-5:00pm	<b>POSTER SESSION (AUTHORS PRESENT) AND BREAK</b>			Atlantic Ballroom Foyer
5:30pm	<b>LOAD BUSES</b>			
7:00pm-9:00pm	<b>SPIRIT OF NORFOLK DINNER CRUISE</b>			
<b>Friday, September 27<sup>th</sup>: 7:00am-12:00pm</b>				
7:00am-8:00am	<b>BREAKFAST (provided)</b>			Atlantic Ballroom
8:00am-10:00am	Working Group B: Subsoil Compaction			Cape Charles A
8:00am-10:00am	Working Group C: Conservation Soil Tillage (CST)			False Cape B
10:00am-12:00pm	Working Group F: Visual Soil Examination and Evaluation			Cape Henry C

10:00am-12:00pm	Working Group K: Controlled Traffic Farming (CTF)	Cape Charles A
12:00pm-2:00pm	<b>POST CONFERENCE ISTRO BOARD MEETING</b>	Beach Club Room

**SAFE TRAVELS HOME!**