

Overview of Program Sessions and Workshops (All times in EDT)

							color code:	Technical Session	Workshop						
30a - :00a	for Environmental	9a. Emerging Waterborne Viruses: Challenges in Water and Wastewater Treatment (CIEMAS Schiciano B)	32a. Machine Learning in Environmental Science, Health, and Engineering (Physics 128)	4a. One Water Solution to Infrastructure Challenges in Rural, Underserved U.S. Communities (Teer 203)	35a. Advances in PFAS Treatment and Destruction (Hudson 207)	33. Advancing Life Cycle Assessment via Integration with Machine Learning: Challenges and Opportunities (Hudson 208)	16a. Advanced Reactive Materials and Interface Engineering for Pollution Mitigation, Disinfection, and Sustainable Resource Recovery (Wilkinson 021)	26. Managing the Financial Risk of Environmental Extremes (Wilkinson 126)	24. Hydrogen Production and Storage: Engineering Sustainable Solutions for Human-Environmental Systems (Wilkinson 132)						
_	Break	Break	Break	Break	Break	Break	Break	Break	Break						
l:45a	for Environmental Engineering and Science: Opportunities and	9b. Emerging Waterborne Viruses: Challenges in Water and Wastewater Treatment (CIEMAS Schiciano B)	32b. Machine Learning in Environmental Science, Health, and Engineering (Physics 128)	4b. One Water Solution to Infrastructure Challenges in Rural, Underserved U.S. Communities (Teer 203)	35b. Advances in PFAS Treatment and Destruction (Hudson 207)	15. Lessons Learned from Studying Lead in U.S. School Drinking Water: Compiling Best Practices on Sampling, Testing, and Remediation (Hudson 208)	16b. Advanced Reactive Materials and Interface Engineering for Pollution Mitigation, Disinfection, and Sustainable Resource Recovery (Wilkinson 021)	17. Dumping our Data: Challenges Faced in Municipal Solid waste Data Management and Implications to Public Policy and Health (Wilkinson 126)	23. Equitable Solutions to Air, Energy, and Human Health (Wilkinson 132)						
10p - 15p	Reviving your Teaching Practice: AI, SoTL and CBL approaches to enhancing student engagement and	Research Translation to Public Health Action: Case Studies in Wastewater Based Surveillance (CIEMAS Schiciano B)	Career Paths in Environmental Engineering & Science after Graduate School (Page Auditorium)	CAPEES Panel Discussion on International Collaboration (Teer 203)			Preparing for the NSF CAREER Proposal (Wilkinson 021)	Community Based Research and Teaching Project Development and Evaluation (Wilkinson 126)	Environmental Engineeri Program Leaders Meetin (Wilkinson 132)						
	Plenary Session I. Elizar	beth Biser, President of Bi	ser Strategies LLC and to	illier Secretary of NC Dep	t of Environmental Quality	y (Page Auditorium)		Plenary Session I: Elizabeth Biser, President of Biser Strategies LLC and former Secretary of NC Dept of Environmental Quality (Page Auditorium) AEESP President's address and awards (Page Auditorium) Student & Postdoc Social Mixer Faculty & Professionals Social Mixer (Champions Club at Cameron Indoor) (Dejoy Family Club at Blue Devil Tower) Presentation of 2025 AEESP Service Awards and Fellows							
30p 30p -	AEESP President's addr	ess and awards (Page Aud	itorium) xer	Faculty &Professi	onals Social Mixer (Champid	ons Club at Cameron Indoor)									
00p - 30p 30p - 00p	AEESP President's addr Stu (De	ess and awards (Page Aududent & Postdoc Social Mi	itorium) xer	Faculty &Professi	onals Social Mixer (Champid	ons Club at Cameron Indoor)									
30p - 30p - 90p ednes 30a - :30a	AEESP President's addr Stu (De sday, May 21 6a. Innovation in	ess and awards (Page Aududent & Postdoc Social Mi	itorium) xer	Faculty & Professi Presentation o 12. Microbiology and Chemistry of Indoor	onals Social Mixer (Champid	ons Club at Cameron Indoor) rds and Fellows 30. Advances in UV Treatment of Air, Water and Surfaces (Hudson 208)	28a. Chemical and Biological Contaminant Oxidation and Reduction Processes (Wilkinson 021)	25. Creating Circular Phosphorus and Nitrogen Systems (Wilkinson 126)	22. Sustainable Agricultu Meeting a Nexus of Sustainable Developmer Goals (Wilkinson 132)						
80p - 80p - 90p ednes 80a - 830a	AEESP President's addr Stu (De Sday, May 21 6a. Innovation in Environmental Engineering and Science Education through Emerging Technologies and Experiential	ess and awards (Page Aududent & Postdoc Social Miejoy Family Club at Blue Devil Towards Climate Change	Panel Discussion with Grant Program Managers of Foundations (8:30a-10:00a)	Faculty & Professi Presentation o 12. Microbiology and Chemistry of Indoor	onals Social Mixer (Champic f 2025 AEESP Service Award 12025 AEESP Ser	ons Club at Cameron Indoor) rds and Fellows 30. Advances in UV Treatment of Air, Water and Surfaces (Hudson 208)	Biological Contaminant Oxidation and Reduction	Phosphorus and Nitrogen	Meeting a Nexus of Sustainable Developmen						
30p - 30p - 00p ednes 30a - :30a	AEESP President's addr Stu (De sday, May 21 6a. Innovation in Environmental Engineering and Science Education through Emerging Technologies and Experiential Learning (CIEMAS Schiciano A) Break	ess and awards (Page Aududent & Postdoc Social Miejoy Family Club at Blue Devil Tow 20a. Climate Change Solutions (CIEMAS Schiciano B)	Panel Discussion with Grant Program Managers of Foundations (8:30a-10:00a) (Physics 128)	Faculty & Professi Presentation o 12. Microbiology and Chemistry of Indoor	31. Next-Generation Water Management: Mainstreaming Anaerobic Wastewater Treatment and Sustainable Wastewater Resource Recovery (Hudson 207)	30. Advances in UV Treatment of Air, Water and Surfaces (Hudson 208)	Biological Contaminant Oxidation and Reduction Processes (Wilkinson 021)	Phosphorus and Nitrogen	Meeting a Nexus of Sustainable Developmen						
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80p - 80p - 90p ednes 80a - :30a :00a -	AEESP President's addr Stu (De sday, May 21 6a. Innovation in Environmental Engineering and Science Education through Emerging Technologies and Experiential Learning (CIEMAS Schiciano A) Break Plenary Session II: Dr. J	ess and awards (Page Aududent & Postdoc Social Miejoy Family Club at Blue Devil Tow 20a. Climate Change Solutions (CIEMAS Schiciano B)	Panel Discussion with Grant Program Managers of Foundations (8:30a-10:00a) (Physics 128)	Faculty & Professi Presentation o 12. Microbiology and Chemistry of Indoor Environments (Teer 203)	31. Next-Generation Water Management: Mainstreaming Anaerobic Wastewater Treatment and Sustainable Wastewater Resource Recovery (Hudson 207)	30. Advances in UV Treatment of Air, Water and Surfaces (Hudson 208)	Biological Contaminant Oxidation and Reduction Processes (Wilkinson 021)	Phosphorus and Nitrogen	Meeting a Nexus of Sustainable Developmen						



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Thursday, May 22

8:30a -	19a. Resource Recovery	29a. Electrified Approaches	37. New Insights into PFAS	21.Wastewater GHG	13. Biofilm-Associated Risks	27. Environmental	7. Mobilizing Our	3. Leveraging Public	5. Community-based Air
10:30a	from Waste Streams	at the Water-Energy-	Exposure, Mixture Effects,	Emissions and	in the Built Environment	Implications of Renewable	Universities for Education	Datasets for Water and	Quality Research: Technical
	Towards a Circular	Environment Nexus (CIEMAS	and Control Strategies	Decarbonization (Teer 203)	(Hudson 207)	Energy Infrastructure	on Energy Use, Carbon	Energy Information Across	Tools, Communication
	Economy (CIEMAS Schiciano	Schiciano B)	(Physics 128)			(Hudson 208)	Emissions, and Climate	Sectors and Spatial and	Strategies, Engagement
	A)						Change (Wilkinson 021)	Temporal Scales (Wilkinson	Approaches, and Public Policy
								126)	Implications (Wilkinson 132)

Break

11:00a 12noon

Plenary Session III: Dr. Christopher Frey, Professor of NC State Univ. and former Assistant Administrator for Research and Development at the USEPA (Page Auditorium)

Lunch

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1:00p - 3:00p	Poster Session II (Wilson Gym, CIEMAS Atrium, Wilkinson Floors 0, 1, 2)			AEESP Award Ceremony (1:00-2:00p) (CIEMAS Schiciano A+B)					
3:00p -	19b. Resource Recovery	29b. Electrified Approaches	Early Career Faculty Survival	Bridging Research and		Adding Sustainability	Charting the Future for	34. Modeling Contaminant	10. Preventing Good Microbes
5:30p	from Waste Streams	at the Water-Energy-	Guide: Tips and Best	Practice: Strategies for		Content to Engineering	Environmental Engineering	Fate and Transport in	from Going Bad:
•	Towards a Circular	ards a Circular Environment Nexus (CIEMAS Practices for Navigating the Enhancing Stakeholder				Courses: From and Science: Research,		Natural and Engineered	Environmental Biotechnology
		Schiciano B)	Tenure Process (Physics 128)	Communication for Data-		Fundamental Principles to	Reaching, Practice,	Systems (Wilkinson 126)	Applications and
	A)			driven Management of PFAS		Public Sector Applications	Communications (Wilkinson		Management in the Era of
				Impacts (Teer 203)		(Wilkinson 130)	021)		Synthetic Biology (Wilkinson
5:30p-	Night Out in Durham Reception (Durham Food Hall)								

9:00p