



**2<sup>nd</sup> Miami Workshop on Aerosol Science and Technology**  
**Summer School in Winter**  
**January 10 to 12, 2024**  
**University of Miami**  
**TENTATIVE PROGRAM AGENDA**

Time	Title	Speaker/Moderator
<b>1/10/2024, Wednesday</b>		
<b>Rosenstiel School of Marine, Atmospheric, and Earth Science</b>		
13:00 to 13:50	Tutorial I: Fundamentals of Aerosol Science and Technology	Pratim Biswas
14:00 to 14:50	Tutorial II: Low-cost Air Quality Sensor Calibration and Deployment	Jiayu Li
15:00 to 15:50	Tutorial III: Instrumentation for Particle Measurement	Chang-Yu Wu Yang Wang
16:00 to 16:50	Tutorial IV: Nanomaterial Synthesis, Characterization, and Application	Samiul Amin Pratim Biswas
17:00	Happy hour at Salt Waterfront Cafeteria	
<b>1/11/2024, Thursday</b>		
<b>Frost Institute of Chemistry and Molecular Science</b>		
8:00 to 8:50	Breakfast	
8:50 to 9:00	Opening Remarks	
<b>Session I: Nanoparticle Technology: Synthesis, Characterization and Applications</b>		Samiul Amin Yang Wang
9:00 to 10:45	Technical presentations	
10:45 to 11:30	Panel Discussion	
11:30 to 14:00	Lunch and Poster Session (In-person Only)	
<b>Session II: Particle Instrument Hands-on Demonstration</b>		Chang-Yu Wu Yang Wang
14:00 to 14:30	Introduction from Aerosol Instrument Industrial Attendees	
14:30 to 16:00	Hands-on Demonstration	
16:00 to 18:00	Group Picture and Campus Tour	
18:00	Dinner	
<b>1/12/2024, Friday</b>		
<b>Frost Institute of Chemistry and Molecular Science</b>		
8:00 to 9:00	Breakfast	
<b>Session III: Aerosols and Public Health</b>		Chang-Yu Wu Robert Makuch
9:00 to 10:45	Technical presentations	
10:45 to 11:30	Panel Discussion	
11:30 to 14:00	Poster Session and Lunch (In-person Only)	
<b>Session IV: Aerosol and Dust Measurement</b>		Cassandra Gaston Paquita Zuidema Joesph Prospero
14:00 to 15:45	Technical presentations	



15:45 to 16:30	Panel Discussion
16:30	Closing

**Speakers and Workshop Convenors:**

**Samiul Amin**, Professor of Practice of the Department of Chemical, Environmental and Materials Engineering, University of Miami

**Pratim Biswas**, Dean of the College of Engineering, Professor of Chemical, Env and Materials Engr. & Atmospheric Sci. (RSMAS), Member of the National Academy of Engineering, University of Miami

**Cassandra Gaston**, Associate Professor of the Department of Atmospheric Sciences (ATM), University of Miami

**Jiayu Li**, Assistant Professor of the Department of Mechanical and Aerospace Engineering, University of Miami

**Joseph M. Prospero**, Professor Emeritus of the Department of Atmospheric Science & the Cooperative Institute for Marine and Atmospheric Studies (CIMAS), Rosenstiel School of Marine, Atmospheric, and Earth Science, University of Miami

**Yang Wang**, Assistant Professor of the Department of Chemical, Environmental and Materials Engineering, University of Miami

**Chang-Yu Wu**, Professor and Chair of the Department of Chemical, Environmental and Materials Engineering, University of Miami

**Paquita Zuidema**, Professor and Chair of the Department of Atmospheric Sciences, University of Miami