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Agenda

Monday October 27, 2003 Morning

7:30 AM REGISTRATION & CONTINENTAL BREAKFAST

8:15 AM WELCOME AND OPENING

Edward Bogucz, Dean, College of Engineering & Computer Science, Syracuse University U.S. Rep. James Walsh Russell Bessette, Director, New York State Office of Science, Technology and Academic Research (NYSTAR)

9:30 AM BREAK

9: 40 АМ	SESSION 1: BUILT ENVIRONMENTAL SYSTEMS
	Chair: Ezzat Khalifa, Environmental Quality Systems STAR Center, Syracuse University
9:40 AM	Environmental Control Challenges in Human Space Flight
	Christopher Poythress, Hamilton Sundstrand Space, Land & Sea
10:10 ам	Intelligent Control of Built Environmental Systems for Optimal Evacuation Planning
	Jianshun Zhang, Syracuse University
10:30 ам	Cold Plasma - An Exciting New Air Filtration Technology
	Alan Hedge, Cornell University & Czeslaw Golkowski, Super-Pulse
10:50 ам	Back to the Future: CO ₂ HVAC Systems
	Tobias Sienel, United Technologies Research Center
11:10 ам	Active Building Envelope Technologies
	Steven Van Dessel, Rensselaer Polytechnic Institute
11:30 ам	Current Industry Protocols for Assessing and Mitigating Microbial Problems in Buildings
	Robert Krell, IAQ Technologies, Inc.
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11:50 AM BOX LUNCH – *pick up lunch and return boards available for poster displays*

Monday October 27, 2003 Afternoon

12:20 рм	Session 2: HUMAN HEALTH AND PERFORMANCE Chair: Kenneth Barker, Upstate Medical University
12:20 рм	Health Effects of an Urban Disaster - The World Trade Center Attack Robin Herbert, Mount Sinai School of Medicine
12:50 РМ	Cardiovascular Effects of Occupational and Environmental Particulate Exposure Shannon Magari, Colden Corporation / Harvard University
1:10 рм	The Syracuse AUDIT Study: Assessment of Urban Dwellings for Indoor Toxics: Overview and Update Jerrold Abraham, Upstate Medical University
1:20 РМ	Assessment of Exposure to Indoor Environmental Factors for an Infant Cohort at Risk for Asthma Catharine Catranis, SUNY - College of Environmental Science and Forestry
1:32 pm	Exposure to Indoor Particulate Matter (PM) and Environmental Tobacco Smoke (ETS) During the First Year of Life for a Birth Cohort at Risk for Asthma Development
1:55 рм	Andrew Hunt, Upstate New York Specialist Environmental Consulting Respirable Insulation Fibers in Lung Tissue: 6-Dimensional Analysis by Confocal Microscopy and
	Spectroscopy Robert Baier, University at Buffalo
2:15 рм	Session 3: Exposure and Risk Assessment
2:15 рм	Chair: Philip Goodrum, Syracuse Research Corporation Risk-based Vulnerability Assessment of Commercial Buildings to Intentional Introduction of Chemical and Biological Agents
2:35 рм	Swiatoslav Kaczmar, O'Brien & Gere Companies Practical Management Strategies for Reducing Risks of Exposure to Indoor Air Pollutants
2:55 рм	Joseph Laquatra, Cornell University Comparison of Biological Activity of Size-Segregated Aerosol Samples
	Lupita Montoya, Rensselaer Polytechnic Institute
3:15 рм	An Examination of Aerobiological Pathways of Indoor Allergen Inhalation Exposure James Freihaut, The Pennsylvania State University
3:35 рм	Contributions to the Personal Cloud in Indoor Residential Environments Andrea Ferro, Clarkson University
3:55 рм	BREAK
4:05 рм	Session 4: URBAN ECOSYSTEMS Chair: Philip Hopke, Clarkson University
4:05 PM	An Introduction to the Ambient Monitoring Strategy
4:35 pm	Richard Scheffe, U.S. Environmental Protection Agency Characterization of PM2.5 Air Quality and Sources in New York
4:55 PM	Kenneth Demerjian, University at Albany Effect of Suburban Development on Water Quality in the Croton Watershed of New York
	Myron Mitchell, SUNY - College of Environmental Science and Forestry
5:15 PM	Nitrogen Pollution in the Northeastern United States: Sources, Effects and Management Options Charles Driscoll, Syracuse University
5:35 PM	SHAARQ - A Buoy-Deployable System for Real-Time Sensing and Time-Resolved Sampling of Chemical Contaminants in Water
	John Hassett, SUNY - College of Environmental Science and Forestry
6:00 PM	COCKTAIL RECEPTION - RESEARCH POSTERS & INDUSTRY DISPLAYS
7:00 РМ	
	EPA Indoor Environments Research Needs Frank Princiotta, Director
	Air Pollution Prevention and Control Division, U.S. Environmental Protection Agency
8:30 рм	ADJOURN DAY ONE

Tuesday October 28, 2003

7:30 AM	LATE REGISTRATION & CONTINENTAL BREAKFAST
8:00 AM	SESSION 5: ENERGY AND EFFICIENCY
8:00 am	Chair: Eric Spina, Syracuse University Molten Carbonate Fuel Cell Demonstration and Research at the SUNY - College of Environmental Science and Forestry
8:20 am	Cornelius Murphy, SUNY - College of Environmental Science and Forestry Waste Heat Power Recovery Using Refrigeration Equipment
8:40 am	Joost Brasz, Carrier Corporation Cooling, Heating and Power (CHP) Systems: High-Efficiency, Low-Emissions Alternatives to Grid Power
9:00 am	Timothy Wagner, United Technologies Research Center Measured Performance for a Supermarket Combined Heat and Power System Hugh Henderson, CDH Energy Corporation
9:20 AM	Session 6: Experimental and Analytical Methods Chair: Mark Glauser, Syracuse University
9:20 AM	A Miniature Aerosol Sizing Instrument for Diesel Particle Measurements Suresh Dhaniyala, Clarkson University
9:40 AM	A Study of Air Flow and Emission Transport in Street Canyons Goodarz Ahmadi, Clarkson University
10:00 AM	Development of Chemical Sensors for Harsh Environments Michael Carpenter, University at Albany
10:20 ам	On Velocity Measurements in the Breathing Zone of a Thermal Breathing Manikin
10:40 ам	David Marr, Syracuse University A Centralized Source of Measured Indoor Air Pollutant Concentrations and Supporting Information Steven Swarts, Syracuse Research Corporation
11:00 ам	BREAK
11:10 АМ	SESSION 7: COMMERCIALIZATION
11:10 ам	Chair: John Vasselli, NYIEQ Overview of NYIEQ Technology Transfer and Commercialization Initiatives
11:40 ам	John Vasselli, NYIEQ Commercializing PCR-Based Mold Detection Richard Kopp, Galson Laboratories
12 :00 АМ	Findings and Progress Related to the Commercialization of a Patented Air Safety Process
12:20 ам	Paul Chirayath, FailSafe Air Safety Systems Corporation Commercialization Assistance Program (CAP) III Announcement William Magnarelli, New York State Assemblyman
12:30 рм	LUNCHEON New Visions for Green Buildings: Biomimicry and Biophilia William Browning, Principal and Founder Green Development Services, Rocky Mountain Institute
2:00 рм	REFLECTIONS Edward Bogucz, Syracuse University

2:15 PM ADJOURN DAY TWO