2004 SYRACUSE SYMPOSIUM

ON ENVIRONMENTAL

AND ENERGY SYSTEMS

October 25-26, 2004

	SUNDAY, OCTOBER 24, 2004
6:00pm	Reception at The Erie Canal Museum 318 Erie Boulevard East, Syracuse
	Monday, October 25, 2004 All events at The Marx Hotel, 701 E. Genesee St., Syracuse
7:30am	Registration and continental breakfast
8:15am	Welcome Edward A. Bogucz, Syracuse CoE
8:30am	Build green: Everyone profits
	S. Richard Fedrizzi, US Green Building Council
9:15am	Emerging technologies for high-performance buildings Stephen Selkowitz, Lawrence Berkeley National Laboratory
10:15am	Break
10:30am 12:00pm	Oral synopses of poster presentations (see separate program) Poster Session and Lunch
1:30pm	The Solaire and beyond: Green building at Battery Park City Jim Cavanaugh, Hugh L. Carey Battery Park City Authority
1:55pm	Costs and financial benefits of green buildings Greg Kats, Capital E
2:20pm	Discussion: Market demand for high-performance green buildings
2:45pm	EPA program needs for indoor environment research John Girman, US Environmental Protection Agency
3:30pm	Break
3:45pm	Oral synopses of poster presentations (see separate program) Introduced by Michael Relyea, NYSTAR
5:20pm 7:00pm 7:45pm	Poster Session and Reception Dinner (Horizons Room, top floor of main hotel) University as Public Good: Opportunities for the Syracuse Center of Excellence
	Nancy Cantor, Syracuse University
	Tuesday, October 26, 2004 All events at The Marx Hotel, 701 E. Genesee St., Syracuse
7:30am	Continental breakfast
8:15am	Opening comments John J. Vasselli, NYIEQ Center
8:30am	High-performance green buildings on a budget: Case studies John Boecker, L. Robert Kimball & Associates
9:30am	One Bryant Park: Case study Robert Fox, <i>Cook + Fox</i>
10:15am	Break
10:30am	High-performance residential buildings Steven Winter, Steven Winter Associates
11:15am 12:00pm	Panel discussion: Visions for the Syracuse CoE Headquarters Lunch (Horizons Room, top floor of main hotel)
1:30pm	NYIEQ Center Industry Roundtable: Green Winter™ Design—Unique aspects of high-performance buildings for cold climate environments







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Остовек 25-26, 2004

PROGRAM FOR ORAL SYNOPSES OF POSTER PRESENTATIONS: MORNING SESSION, OCT. 25

	POSTERS DISPLAYED IN THE FAYETTEVILLE ROOM:
10:30am	Intelligent Solar Facade System
	Anna Dyson, Rensselaer Polytechnic Institute
10:36am	The Cornell University Solar Decathlon
	Stephanie T. Horowitz & Timothy Fu, Cornell University
10:42am	Healthy and Quiet Classroom of the Future
	David Ashley, Ashley McGraw Architects
10:48am	IEQ and Energy Benefits with an Enhanced Energy Recovery
	Ventilator Norberto Lemcoff, Frederick Cogswell, James A. Davies, Gregory
	Dobbs, United Technologies Research Center
10:54am	Optimization of Comfort and Energy in Buildings
	Ian Cosden, Seckin Ari, H. Ezzat Khalifa, Syracuse University
	POSTERS DISPLAYED IN THE POMPEY ROOM:
11:00am	Measuring the Impact of Uncontrolled Air Flows (UAFs) in Commercial
11.00am	Buildings in NYS Hugh Henderson, <i>CDH Energy Corporation</i> , & Miao Yang,
	Syracuse University
11:06am	Measurements and Modeling of VOC Emissions from a Large Wall
IIIOOam	Assembly of Typical Wood-Framed Residential Walls
	Hui Li, Syracuse University
11:12am	Comparison Testing of Air Cleaners for Removing Multiple-Volatile
11.12011	Organic Compounds in Indoor Air
	Wenhao Chen, Jianshun S. Zhang, Zhibin Zhang, Syracuse University
11:18am	"Q" Air Terminal Design Concept
IIIIoum	James Miller, NuClimate Air Quality Systems, Inc.
11:24am	Ultrafine Particle Counter for Indoor Air Monitoring
	Jeffrey Ambs, Rupprecht & Patashnick Company, Inc.
	POSTERS DISPLAYED IN THE DEWITT ROOM:
11:30am	All-Optical Chemical Sensors for Harsh Environments
	Michael Carpenter, University at Albany—SUNY
11:36am	Contaminant Alert System (CAS) Employing OrthoSwitch [™] Biosensors
	Mark McPike, Bruce Hudson, OrthoSystems, Inc.
11:42am	Development of Natural Abundance Stable Isotope Molecular
	Techniques to Trace Biological and Chemical Processes in Ecosystems
	Mark Teece, David Kiebe, SUNY College of Environmental Science & Forestry
11:48am	Developing Sustainable Willow Biomass Crops for Bioproducts and
	Bioenergy Timothy Volk, L. Abrahamson, L. Smart, E. White, T. Amidon, A.
	Stipanovic, J. Nakas, SUNY College of Environmental Science and Forestry
11:54am	Genetic Improvement of Shrub Willow (Salix) Crops for Bioenergy,
	Biofuels, and Bioproducts Lawrence Smart, Juan Lin, Richard Kopp, Ingrid
	Phillips, Kimberly Cameron, Timothy Volk, Lawrence Abrahamson,
	SUNY College of Environmental Science and Forestry







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PROGRAM FOR ORAL SYNOPSES OF POSTER PRESENTATIONS: AFTERNOON SESSION, OCT. 25

	POSTERS DISPLAYED IN THE FAYETTEVILLE ROOM:
3:48pm	The Syracuse AUDIT Study of Risk Factors for Wheezing in the First
	Year of Life: Study Design and Preliminary Analysis of Outcomes
	J. Abraham, M. Czerwinski, J. Crawford, G. Hall, T. Hargrave, A. Hunt,
	S.D. Lane, CC. Liu, D. Naishadham, P. Rosenbaum, N. Webster
	SUNY Upstate Medical University
3:54pm	Survey of Fungi Found in the Syracuse AUDIT Homes
	S.E. Anagnost, C.M. Catranis, C.J.K. Wang, L. Zhang, A. Fernando, S. Morey,
	P. DeStefano, C. Garback, M. LaMoy, G. Hall, J.A. Crawford, D. Naishadham,
	A. Hunt, & J. Abraham, SUNY College of Environmental Science and Forestry
4:00pm	Geographic Patterns of Lead and Zinc in House Dusts and Surface
	Soils of Syracuse, NY, USA D. Johnson, J. Brooks, H. Stella Levinsohn, A.
	Hunt, S. Blount, S. Ellsworth, A. Lanciki, S. Lee, D.A. Griffith, SUNY College of
	Environmental Science and Forestry
4:06pm	Development of a Microbial Risk Assessment Center of Excellence
	(MRACE) at Syracuse Research Corp. (SRC)
	Peg Coleman, Pat McGinnis, Mary Ann Tyszko, Syracuse Research Corp.
4:12pm	Economic Analysis for Energy Recovery Ventilators (ERVs)
	in the United States and France John Dannenhoffer, Pierre Graveleau,
	Olivier Heudre, H. Ezzat Khalifa, Syracuse University
	POSTERS DISPLAYED IN THE POMPEY ROOM:
4:18pm	Posters Displated in the pompet Room Particulate Pollutant Transport in Indoor Air
4.10pm	Kambiz Nazridous, Goodarz Ahmadi, <i>Clarkson University</i>
4.74nm	Validation and Verification of CFD for the Personal Microenvironment:
4:24pm	Benchmark Tests for a Computer Simulated Person
	Chris Sideroff, Syracuse University
4:30pm	Exposure Control Using Low-dimensional Techniques Using PIV
4.50pm	Measurement in the Breathing Zone David Marr, Syracuse University
1.76nm	On-Line Recording and <i>in situ</i> Verification Sampling of an "Allergy
4:36pm	Friendly Room" Treatment Protocol John (Jack) Barrett, Robert Baier,
4.42 mm	Robert Forsberg, & Prashant Nagathan, University at Buffalo—SUNY
4:42pm	Event-Segmented Collection and Identification of Bioaerosolsin a
	Busy Dental Clinic Robert Forsberg, Robert Baier, Lance Ortman, Harvey
4.49mm	Patashnick, William Rogers, University at Buffalo—SUNY Fugitive Particulates Dispersed with Hospital Medical Air
4:48pm	
	Prashant Nagathan, R. Baier, R. Forsberg, T. Brown, B. Kanegsberg, E.
	Kanegsberg, University at Buffalo—SUNY
4:54pm	Hospital Environmental Control Unit Larry Wetzel, Air Innovations
	POSTERS DISPLAYED IN THE DEWITT ROOM:
5:00pm	Improving the Efficiency of Small Wind Turbines
•	Ken Visser, Clarkson University
5:06pm	Balancing Urban River Restoration for Ecologic and Flood Control
•	Functions Theodore Endreny, Donald Leopold, SUNY College of Environ. Sci.
	and Forestry
5:12pm	New York's Near-Real-Time Surface Water Quality Monitoring
- · P · · ·	Network Steven Effler, David O'Donnell, <i>Upstate Freshwater Institute</i>





