

PROGRAM

SUNDAY, OCTOBER 23, 2005

5:00pm Reception at [The Syracuse University Martin J. Whitman School of Management](http://sominfo.syr.edu/about/newbuilding/), <http://sominfo.syr.edu/about/newbuilding/>
Syracuse University, 721 University Avenue

[Sheraton Syracuse University Hotel & Conference Center](#)

MONDAY, OCTOBER 24, 2005

7:30am Registration and continental breakfast
8:10am Welcome Edward A. Bogucz, Ph.D., Executive Director, Syracuse CoE
8:20am Opening Remarks: Kenneth Barker, Ph.D. Upstate Medical University
8:30am "Indoor Air Quality and Health"
Jan Sundell, Professor, Dr.Med.Sci., M.Sc.Eng, Technical Univ. of Denmark
9:30am "Indoor Exposures to Combustion Products and Human Health"
Joel Schwartz, Ph.D., Prof., Dept.of Env. Health, Harvard School of Public Health
10:15am Break
10:30am Oral synopses of poster presentations (see below)
12:00pm Poster Session and Lunch (conference center)
1:00pm "Ultrafine Particles: Effects Beyond the Lung?"
Mark Frampton, M.D., Professor, University of Rochester, School of Medicine
1:25pm "Diesel Exhaust Exposure Studies: Some Key Questions Related to Health Effects, and Implications for Indoor Air Research"
Michael Madden, Ph.D., Human Studies Facility, U.S. Environmental Protection Agency
1:50pm Break
2:45pm "The Home Environment and Asthma in Children: Epidemiological Studies"
William Beckett, MD, Prof. of Env Medicine and of Medicine, Univ. of Rochester
3:15pm Panel Discussion:
Moderator-Jerrold Abraham, M.D., Prof., Pathology, Upstate Medical Univ
3:45pm Oral synopses of poster presentations (see below)
5:30pm Poster Session and Reception
7:00pm Dinner (conference center - The Comstock Room)
7:45pm Guest Speaker:
"Challenges Facing Indoor Air Quality and Human Health"
Bernard Goldstein, M.D., Dean, Graduate School of Public Health, Univ of Pittsburgh

TUESDAY, OCTOBER 25, 2005

8:00am Continental breakfast
8:30am Opening Remarks: H. Ezzat Khalifa, Ph.D., Dir., EQS-STAR Ctr, Syracuse University
8:45am "Hedonomics: Accentuation of the Positive"
Peter Hancock, Ph.D., Professor of Psychology, University of Central Florida
9:30am "Psychosocial Considerations and the Indoor Environment: Health and Productivity Issues"
Michael Smith, Ph.D., Chair, Dept. of Industrial Engineering, Univ of Wisconsin
10:15am Break
10:30am "Daylight and Human Performance - Recent Findings"
Lisa Heschong, Architect, Principal, Heschong Marone Group, Inc.
11:15am Panel Discussion: Moderator-Professor Alan Hedge, Cornell University
12:00pm Lunch (conference center)

PROGRAM FOR ORAL SYNOPSES OF POSTER PRESENTATIONS: MORNING SESSION, OCT. 24

POSTERS DISPLAYED IN: WAVERLY, MARSHALL, HARRISON AND ADAMS ROOMS

10:30am Ultrafine Particles and Cardiac Responses: Evaluation in a Cardiac Rehabilitation Center.

P.K. Hopke, Clarkson University, M.J. Utell, W. Beckett, L. Kopin, W. Zareba, M.W. Frampton, J. Bisognano, D. Chalupa, D. Ogulei

10:36am Penetration of the Ambient Ultrafine Aerosol into a Cardiac Rehabilitation Facility in Rochester, NY

David Ogulei, Clarkson University, Philip K. Hopke, David Chalupa, Laurie Kopin, and Mark Utell

10:42am Numerical Study of Nano and Micro Scale Particle Depositions in Human Upper Tracheobronchial Trees

L. Tian, Clarkson University, Philip K. Hopke, and Sung-Yung Cheng

10:48am Particle Adhesion and Removal in Turbulent Flows with Capillary Forces

Xinyu Zhang, Clarkson University and Goodarz Ahmadi

10:54am Erie County School Bus Respirable Particulates

Sanketh Guruswamy, SUNY Buffalo NYSTAR, Robert Baier, Danny Mueller, Robert Forsberg, Univ at Buffalo, Michal Vojtisek-Lom, Dustin Friesen, Clean Air Tech Inter, Inc., Isabell Berger, Erie Dept of Environ & Plan

11:00am Indoor-Outdoor Measurements in Residences near a Major International Border Crossing in Buffalo, N.Y.

Timothy McAuley, Clarkson University, Peter A. Jaques, Ryan Fischer, and Andrea R. Ferro

11:06am Aeromycology of Homes in Syracuse, New York

Susan Anagnost, SUNY College of Environmental Science and Forestry, Catharine M. Catranis, Analie Fernando, Shannon Morey, Shuang Zhou, Lianjun Zhang, and C. J. K. Wang

11:12am Basidiomycetes Isolated from Indoor and Outdoor Air Samples

Shuang Zhou, SUNY College of Environmental Science and Forestry, Susan E. Anagnost, Catharine M. Catranis, Analie Fernando, Shannon Morey, C. J. K. Wang

11:18am Risk Factors for Wheeze in the First Year of Life in Inner-City Infants at Risk for Asthma

Paula Rosenbaum, Upstate Medical University, T.M. Hargrave, J.L. Abraham, J.A. Crawford, C. Liu, S.D.Lane, D. Naishadham, G. Hall, R. Anbar and A. Hunt

11:24am Range of Exposures to Multiple Indoor Pollutants in Inner-city Homes of Infants at Risk for Asthma

Judy Crawford, J. A. Crawford, Inc., A. Hunt, C. Liu, P. DeStefano, C. Garback, M. Lamoy, S. E. Anagnost, J. Zhang and J. L. Abraham

11:30am Airborne Particulate Matter (PM) Levels in Inner-city Homes of Infants at Risk for Asthma Development

Andrew Hunt, Upstate Medical University J. Abraham , J. Crawford, C. Liu, P. DeStefano, C. Garback, M. LaMoy, D. Naishadham, and G. Hall

11:36am On Resuspension by Human Activity Indoors

Jing Qian, Clarkson University, and A Ferro

11:42am Dust Resuspension Due to Idealized Foot Motion

Ritesh Sheth, Syracuse University, C. Braud, H. Higuchi, M. Glauser and H. E. Khalifa

11:48am Rapidly Deployable Positive- and Negative-Pressure Isolation Environment for Critical Care

Cheryl A. Gressani, Air Innovations,

11:54am Some Advances in Methods to Reduce Disease Transmission in Buildings

David Ashley, Ashley McGraw Architects

PROGRAM FOR ORAL SYNOPSES OF POSTER PRESENTATIONS: AFTERNOON SESSION, OCT. 24

POSTERS DISPLAYED IN: WAVERLY, MARSHALL, HARRISON, AND ADAMS ROOMS

- 3:48pm Developing a Web Based Data Portal for NYSERDA DG/CHP Sites**
Adam Walburger, CDH Energy Corporation
- 3:54pm Multiple Benefits of Sustainable Willow energy Crops**
Edwin H. White, SUNY College of Environmental Science and Forestry,
Lawrence P. Abrahamson, Timothy A. Volk and Lawrence B. Smart, T.M. Keenan, A. Stipanovic and S.W. Tanenbaum
- 4:00pm Producing Biodegradable Plastics from Forest Residues Using Bacteria**
James P. Nakas, SUNY College of Environmental Science and Forestry, T.M. Keenan, A. Stipanovic and S.W. Tanenbaum
- 4:06pm PIV Results Towards LES Validation**
David Marr, Syracuse University, R. Sheth, M.N. Glauser, H. Higuchi
- 4:12pm Affordable Sustainability: Environmentally Sustainable and Economically Feasible New Home Construction**
Tim Stenson, Syracuse University, Peter Wilcoxon
- 4:18pm Initial success Establishing Willow on Solvay Wastebeds in Syracuse, NY**
Timothy Volk, SUNY College of Environmental Science and Forestry, J. Mirck, M. Farber, L.P. Abrahamson, D. Daley, A. Johnson
- 4:24pm Development of a Hazard Ranking Scheme for Indoor Air Pollutants – A Case Study of VOCs in Indoor Air Based on Data from the NHEXAS Study**
Mark Osier and Steven G. Swarts, Environmental Science Center, Syracuse Research, Virgina Houck, Michele Stephenson, Philip Goodrum
- 4:30pm Tailor Designed CdSe Quantum Dots for the Selective Detection of Hydrocarbons**
Zhouying Zhao, SUNY – Albany Marina Petrukhina, Oxana Vassiltsova and Michael Carpenter
- 4:36pm New York's Near-Real-Time Surface Water Quality Monitoring Network**
David O'Donnell, Upstate Freshwater Institute, Steven W. Effler, Susan M. Doerr O'Donnell and Anthony Prestigiacomo

- 4:42pm Changes in Mercury Distribution in Onondaga Lake due to Hypolimnetic Oxygenation**
Svetoslava Todorova, Syracuse University and Charles Driscoll
- 4:48pm Mercury Cycling within Gwynns Falls, an Urban Watershed in Baltimore, MD**
Joseph Bushey, Syracuse University, Peter Groffman and Charles Driscoll
- 4:54pm Developing a TRNSYS-Based Whole Building Energy Analysis Model to Compare the Energy & IAQ Performance Advanced Cooling and Dehumidification Systems**
Hugh Henderson, CDH Energy Corporation, Jianshun Zhang, Andreas Nicolai and Hui
- 5:00pm CHAMP Simulation Environment - Assessment of Building Envelope Performance and IEQ**
Mikael Salonvaara, Syracuse University, Jianshun (Jensen) Zhang, Andreas Nicolai, Hui Li
- 5:06pm System Identification for Intelligent Control of Built Environmental Systems**
Onur Ozdemir, Syracuse University, P. Ray, C. Isik, C.K. Mohan, P.K. Varshney, H.E. Khalifa and J. Zhang
- 5:12pm Learning of Spatial Phenomenon in Indoor Environments via Distributed Sensor Networks**
Priyadip Ray, Syracuse University, O. Ozdemir, C. Isik, C.K. Mohan, P.K. Varshney, H.E. Khalifa and J. Zhang
- 5:18pm Fuzzy Logic Application to Energy/Comfort Optimization in Buildings**
Seckin Ari, I.A. Cosden, H.E. Khalifa, C. Isik, J.F. Dannenhoffer, and P. Wilcoxon