

SYRACUSE CENTER OF EXCELLENCE presents:
**The 10th Annual Symposium
on Environmental & Energy Systems**

**“Restoring Sustainable,
Healthy Communities”**

**Sept. 27 & 28, 2010
Convention Center at Oncenter · Syracuse, NY**

MONDAY, SEPT. 27

7:30-8:15 a.m.

Registration & Continental Breakfast

8:15-8:30 a.m.

Welcome

[Ed Bogucz](#), Executive Director, SyracuseCoE

[Ed Reinfurt](#), Executive Director, New York State Foundation for Science, Technology & Innovation (NYSTAR)

[Hon. David Valesky](#), New York State Senate

8:30-9:45 a.m.

Plenary: New York State's Climate Action Plan

[Jared Snyder](#), Assistant Commissioner for Air Resources, Climate Change & Energy, NYS Department of Environmental Conservation

Plenary: New York's Climate Action Plan's 80x50 Scenario Analysis

[Gerald Stokes](#), Associate Laboratory Director for Global & Regional Solutions, Brookhaven National Laboratory

9:45-10:00 a.m.

Break & Poster Viewing

10:00-11:00 a.m.

Presentations

TRACK 1: Energy Efficient Buildings Research

Facilitator: Jianshun Zhang, Professor, LC Smith College of Engineering & Computer Science, Syracuse University

John Dannenholfer, Associate Professor, LC Smith College of Engineering & Computer Science, Syracuse University, “Syracuse University Green Data Center”

Chethan Sarabu, SUNY Upstate Medical University, “Anastomosis: Collaborating to Heal Both Ourselves and the Environment”

Usha Satish & Krishnamurthy Shekhar, Dept. of Psychiatry, SUNY Upstate Medical University, “Impact of CO₂ on Human Decision Making & Productivity”

TRACK 2: Water Resources in the Community: New Programs for Water Quality Protection

Facilitator: Khris Dodson, Communications & Program Manager, Environmental Finance Center at Syracuse University

Erick McCandless, Director of Technical Advisory Services, NYS Environmental Facilities Corporations, “Green Innovation Grant Program”

Matt Millea, Deputy County Executive for Physical Services, County of Onondaga, “Onondaga County Green Infrastructure Program”

Kevin Millington, NYS Department of State, Division of Coastal Resources, “Advancing Watershed Protection in New York State”

TRACK 3: Clean & Renewable Energy Industry: Renewable Energy Incubation

Panel Moderator: Michael Shimazu, Project Manager, NYSERDA

Mark Coleman, Co-Manager, Rochester Institute of Technology Clean Energy Incubator & Senior Program Manager, Golisano Institute for Sustainability

Anil Dhundale, Executive Director, Long Island High-Technology Incubator

Linda Hartsock, Vice President of Innovation & Technology, CenterState CEO & Executive Director, The Clean Tech Center, Syracuse

Pradeep Haldar, Vice President E2TAC at CNSE & Executive Director at iCLEAN Partners, Albany, NY

Bruce Niswander, Director, Office of Innovation, Technology Transfer & Entrepreneurship, NYU-Poly

11:00-12:00 p.m.

Oral Presentations

TRACK 1: Energy Efficient Buildings Industry

Facilitator: Goodarz Ahmadi, Dean, Wallace H. Coulter School of Engineering, Clarkson University

John Green, Account Executive, Siemens Building Technologies Division, “Siemens: Energy Management Leads to Energy Efficiency”

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Hugh Henderson, Principal, CDH Energy, “Measured Performance of the FreeWatt Micro CHP”

Phil Hopke, Bayard D. Clarkson Distinguished Professor, Clarkson University, “Mediating Indoor Air Quality with HEPAiRx”

TRACK 2: Water Resources Research

Facilitator: Charles Driscoll, University Professor, LC Smith College of Engineering & Computer Science, Syracuse University

Joseph Makarewicz, Distinguished Professor, SUNY Brockport, “Lake Ontario Nearshore Nutrient Study”

Svetoslava Todorova, Syracuse University, “Mercury Pollution in Onondaga Lake”

TRACK 3: Clean & Renewable Energy in the Community: Case Studies from NYS Communities

Facilitator: Carissa Matthews, Outreach Program Manager, SyracuseCoE Center for Sustainable Community Solutions

Frank Howe, Economic Development Planner, Cayuga County Planning, “Cayuga County Renewable Energy Project”

Karen Villeneuve, Director, Residential Efficiency & Affordability Program, NYSERDA, “Green Jobs New York Program”

Jim Zecca, Director, Madison County Solid Waste, “Methane Recovery at the Madison County Landfill”

12:00-1:15 p.m.

Lunch

Hon. William Magnarelli, New York State Assembly

1:15-2:15 p.m.

Presentations

TRACK 1: Energy Efficient Buildings in the Community: Municipal Energy Efficiency Incentives & Implementation

Facilitator: Khrist Dodson, Communications & Program Manager, Environmental Finance Center at Syracuse University

Samuel Chu, Director, Long Island Green Homes Program, “Long Island Green Homes Program”

Terese Kinsley, Chief Sustainability Officer, Town of Huntington, “Huntington EECO Homes Program”

Anne Spaulding, Senior Environmental Specialist, City of Rochester, “Energy Efficiency Revolving Loan Fund for Businesses”

TRACK 2: Water Resources Industry

Facilitator: Linda Hartsock, Vice President of Innovation & Technology, CenterState CEO & Executive Director, The Clean Tech Center, Syracuse

Mark Casell, Green Building Services Manager, Ecology & Environment, Inc., “Sustainable Measures in Water Use & Conservation in Buildings”

Cornelius B. Murphy, President, SUNY ESF & Glen Petaja, Vice President, Pall Corporation, “Proposed Center for the Advancement of Sustainable Membrane Technologies”

TRACK 3: Clean & Renewable Energy Research

Facilitator: Suresh Santanam, Deputy Executive Director, SyracuseCoE

TriciaRae Davis, Vice President, Impact Technologies Group, Inc., “Vertical Axis Wind Turbines”

Anna Dyson, Director, Center for Architecture Science & Ecology, Rensselaer Polytechnic Institute, “Building-Integrated Concentrating Photovoltaic System”

Eric Schiff, Professor, Department of Physics, Syracuse University, “The Future of Solar Electricity”

2:15-3:20 p.m.

Plenary Panel Discussion

Barriers to Adoption of Innovations in Environmental & Energy Systems

Panel Moderator: John Williams, Senior Vice President & National Director for Sustainable Development, HDR Engineering

Tria Case, University Director of Sustainability, City University of New York

John Kuberra, Head of Commercial Banking Operations, HSBC

Mark Lichtenstein, Principal Investigator, Environmental Finance Center at Syracuse University & Executive Director, SyracuseCoE Center for Sustainable Community Solutions

Merrill Pond, Vice President for Research & Policy, Partnership for New York City

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3:20-3:45 p.m.

Break

4:00-5:00 p.m.

Plenary: Recycling, Rehabilitating, & Recreating Sustainable Buildings in New York State

[J. Christopher Daly](#), Founder & President, Sheldrake Organization

Plenary: Creating Jobs Through Investments in a Clean Energy Economy

[Kate Gordon](#), Vice President of Energy Policy, Center for American Progress

5:00-7:00 p.m.

SyracuseCoE 10th Annual Symposium Cocktail Reception & Poster Viewing

TUESDAY, SEPT. 28

7:30-8:15 a.m.

Registration & Continental Breakfast

8:15-8:30 a.m.

Welcome

[Mark Lichtenstein](#), Executive Director, SyracuseCoE Center for Sustainable Community Solutions

8:30-9:00 a.m.

Plenary: Sustainable Infrastructure—A Keystone Toward Building & Restoring Sustainable & Healthy Communities

[Matt Millea](#), Deputy County Executive for Physical Services, County of Onondaga

9:00-9:45 a.m.

Plenary: Young Professionals & the Living City: Keys to Restoring Sustainable Urban Cores

[Roberta Brandes Gratz](#), Urban Critic & Author of *The Battle for Gotham*

9:45-10:00 a.m.

Break

10:00-12:00 p.m.

Presentations

TRACK 1: Environmental Finance Center at SU's Building Networks for Sustainable Communities in New York: Funding News & Program Updates (Technical Assistance Partnership Forum)

Hon. Matthew Driscoll, President & CEO, NYS Environmental Facilities Corporation

David Miller, Program Director, USDA Rural Development

Brian Pincelli, Planner, Central New York Regional Planning & Development Board, NYSED, Energy Smart Communities Coordinator

Kyle Wilbur, Municipal Management Consultant, New York Department of State

TRACK 2: US DOE Builder's Challenge

Kevin Stack, Principal, Northeast Green Building Consulting

TRACK 3: Revitalizing Urban Neighborhoods

Cliff Davidson, Thomas & Colleen Wilmot Chair in Engineering, LC Smith College of Engineering & Computer Science, Syracuse University

John Folan, T. David Fitz-Gibbon Professor of Architecture & Director, Urban Design Build Studio, Carnegie Mellon University

Liv Haselbach, Associate Professor, Department of Civil & Environmental Engineering, Washington State University.

Trevor Lee, Fellow, UPSTATE, School of Architecture, Syracuse University

12:00-1:00 p.m.

Lunch

1:00-2:00 p.m.

Presentations

TRACK 1: Building Networks for Sustainable Communities in New York: Funding News & Program Updates (Continued)

Sam Gordon, Senior Planner, Central New York Regional Planning & Development Board, “Municipal Innovation & Climate Change: Improving Energy Management in Central New York”

TRACK 2: Green Business Certification Program

Frank Cetera, Green Business Advisor, Small Business Development Center, Onondaga Community College

TRACK 3: Ecological Performance Standards for Buildings

Josh Stack, Consultant, Northeast Green Building Consulting

Jessica Bohn, Northeast Green Building Consulting

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