

Tomorrow's Technology Today

American Planning Association • New York State Geographic Information System Association • American Society of Landscape Architects

Thursday September 14, 2006

8:00 AM New York State Urban Council – Executive Board Meeting
Seward

8:45 AM **Plenary Session:** *Robert N. Brower*, CEO of the Institute for the Application of Geospatial Technology (IAGT) Over the last several years, Bob Brower has taken an idea into reality. This internationally recognized research facility has established a unique working relationship with NASA utilizing satellite imagery and data in new and innovative ways. Located at the James T. Walsh Regional Economic Development Center at Cayuga Community College, this facility, its staff and technology are in a league of their own. See these amazing images. Bob was responsible for the establishment of the first computer assisted Geographic Information System (GIS) in a New York State County (1984). His experience includes 30 years in the public sector. He completed four terms as one of the 15 members of the New York State GIS Coordinating Body, and two terms as chair of the Local Government Advisory Committee. He has been active in the creation of the newly established New York State GIS Association. He has done international work in Argentina and in Ireland. IAGT now does extensive work in Central America.
Seneca
Cayuga

10:30 AM **“Following the Underground Railroad in New York State: Local State and National Initiatives”**
Seneca
Judith Wellman, Principal Investigator, Historical New York Research Associates
Cordell Reaves, Coordinator, Underground Railroad Heritage Trail, Heritage New York
New York State Office of Parks, Recreation, and Historic Preservation
Tania Werbizsky, Director, Technical and Grant Programs, Preservation League of New York State
Diane Miller, Coordinator, National Underground Railroad Network to Freedom National Park Service

Cayuga **New York State Urban Council Panel Discussion** Downtown Development in NYS – Panelists would talk about some of the exciting things happening in downtowns across NYS, from adaptive reuse of vacant properties, new retail and housing projects, and other innovative programs downtowns are using to attract people to their downtown cores. Panelists would talk about future plans as well and would allow participants to ask questions about the nuts and bolts of some of these projects.
Gary Ferguson, Executive Director, Ithaca Downtown Partnership
Jeff House, Downtown Developer, City of Oneonta
Merike Treier, Economic Development Specialist, Downtown Committee of Syracuse
Moderator: *Dan Young*, Program Manager, New York State Urban Council

Filmore **“Understanding Geographic Information Technology (GIT) for Decision Makers”**
Focus on Geographic Information Systems (GIS) and Global Positioning Systems (GPS)
These two geospatial technologies are frequently used together and have now matured enough to aid in the workflow of many land management activities, making them of real interest to planners and LA’s. This session will present basic information about both with plenty of example applications. Not a “how to” but more of a “what for”.
Matt Mercurio & Matt Starr of the Institute for the Application of Geospatial Technology (IAGT)

12:00 Noon American Society of Landscape Architects (ASLA) New York Upstate Chapter Awards Program
– Lunch
Skaneateles - Owasco



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1:30 PM

Seneca

“GIS in the Wind: How GIS Benefits Development and Assessment of Wind Power Projects”

Wind farms are the new hot button issue in New York - from the shores of Lake Erie to the Finger Lakes and the St. Lawrence Valley.

Shawn McCabe, Senior GIS Analyst - URS Corporation

Mike Flanigan, of Stantec

Mark J. Colmerauer, American Consulting Professionals of New York, PLLC

Gary Palumbo, AICP (moderator) - URS Corporation

Cayuga

“Waterfront Design In a Bioregional Context”

Marcha Johnson, ASLA - New York City Parks & Recreation specializing in ecological restoration and the design of post-industrial urban waterfront parks.

Filmore

"Places to Grow: Ontario's new plan for Canada's fastest growing urban region"

George McKibbin of McKibbin Wakefield Inc Canadian Rep. NYUpstate Chapter APA

Hannah Evans is the Director of Partnerships and Consultation at the Ontario Growth Secretariat

Seward

“Geographic Information Technology (GIT) for Decision Makers”

Focus on Remote Sensing and LiDAR

Remote sensing technologies are frequently used for water quality protection, land cover change analysis, and impervious surface detection. LiDAR is often used for creating digital elevation models, viewshed analysis and various visualization techniques. The need to address storm water issues and consider constructed wetlands makes them of particular interest to attendees. Like its companion session, this is not a “how to” but more of a “what for”.

Emily Constantine Mercurio and Ben Houston of the Institute for the Application of Geospatial Technology (IAGT)

3:15 PM

Seneca

“What is LEED Certification” – The new energy design of today....

The use of materials and energy efficient design has become a major component of how new projects are developed. Learn from these LEED Certified designers what decisions can pay for themselves.

Larry Liberatore, AIA of Beardsley Design Associates of Auburn, NY

Nicholas Schwartz, R.L.A., of Clough Harbour Associates

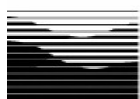
Cayuga

“Developing a Façade Improvement Program as an Integral part of Revitalization”

This presentation will include detailed descriptions of quality and affordable, historically based facade renovations, including specific before-and-after examples from award-winning projects located in many communities throughout New York State.

Randy Crawford, RA, of Crawford and Stearns Preservation Architects of Syracuse, NY

Robert Dadras, RA and *Victor Dadras*, RA of Dadras Architects of New York City and Sullivan County



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3:15 **“GIS on Very Small Budgets”**

Filmore

Learn what free or low cost data is available from the masters. John Borst will be showing the vast amount of data available for GIS use in New York State and talking about the GIS Coordination Program. Art Limbo will be demonstrating the creation of a GIS application that also includes federal sources and a very low cost GIS program. “Too costly” or “too complicated” fade into the sunset. It’s time to jump into the technological water.

John “JB” Borst, of NYS Cyber Security

Art Lembo, of Cornell University

3:15 PM **“When it Rains, It Drains”** - New York State DEC changing regulations about Storm Water Management and CAFO’s (Concentrated Animal Feeding Operations).

Seward

Angus Eaton, New York State Department of Environmental Conservation (DEC)

Pauline Burnes, New York State Department of Transportation

Steven Mikulencak, Saratoga Associates in Saratoga Springs, New York.

5:00 PM **Reception at Cayuga County Pavilion overlooking Owasco Lake**

Emerson Park

Presentation of the 2006 Michael J. Krasner Memorial APA Scholarship Award

Friday September 15, 2006

8:00 AM APA Annual Membership Meeting

8:45 AM **Keynote Presentation: Can Upstate win the 21st Century’s Competition for “Place and Prosperity”?**

Seneca

Cayuga

Sponsored by Cornell University City and Regional Planning, APA & ASLA.

William Fulton is President of Solimar Research Group and a Senior Scholar at the School of Policy, Planning, and Development at the University of Southern California. He is the author of several landmark books on land use and cities, including *Guide to California Planning*, *The Reluctant Metropolis*, and *The Regional City*. He is also the co-author of many important studies on land-use patterns, including *"Sprawl Hits The Wall"* and *Who Sprawls Most?* A graduate of the UCLA Graduate School of Architecture and Urban Planning, Mr. Fulton was elected to the Ventura (Calif.) City Council in 2003. A native of Auburn, New York, Bill is a frequent contributor to several The Brookings Institute reports and also the author of the Economic Developer column in *Governing Magazine*.

10:30 AM **“Global Warming: Why Geothermal makes Energy Sense”**

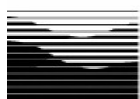
Seneca

John Manning, President of Earth Sensitive Solutions

Filmore

Erie Canal National Park Corridor Commission – project overview and specific elements including the Erie House Canal Museum. Learn about the proposed NYS Thruway educational center proposed in Port Byron, NY near exit 40.

James Kent, President of Kent Planning and the New York State Canal Society



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- Friday
10:30 AM
Seward
- September 15, 2006**
- Internet Mapping and 3 Dimensional Visualization Using “Google Earth”, “Skyline TerraExplorer” and ESRI’s “ArcIMS and ArcServer”.** Take a look at deployment of some of the most creative and advanced mapping and visualization techniques. These applications focus on making complex issues easier to understand. Five different project examples, unique combinations of technology and a focus on public safety, watershed planning and analysis, tourism and historic preservation are intended to peak the interest of local and regional planners.
David Carr, Matt Starr, Nate Krause, Sid Cuff – Institute for the Application of Geospatial Technology
- Cayuga
- “Making Waves along the Mississippi: The Challenges of Recovery Planning in New Orleans” – Cornell University Student Project Team** - With substantial support from the department, dozens of students and faculty members have been involved in a wide range of projects including gutting flood-damaged houses, surveys and documentation of historic buildings, designs for neighborhoods and the waterfront, and housing recovery programs. This effort resulted in selection of ACORN Housing as the lead-planning consultant for the city's official plan for the entire Ninth Ward. Students and faculty involved in this effort will be on hand to offer first-hand accounts of planning in some of the most challenging conditions ever and to discuss the evolving planning process in the Crescent City.
- 12:00 Noon
Lunch
Seneca - Cayuga
- American Planning Association – New York Upstate Chapter Annual Awards Program**
- 1:30 PM
Filmore
- “Clean Communities of Central New York – Energy Efficient Vehicles”**
What exciting changes are coming with hybrids and hydrogen cars of today and the future? Learn about potential grant opportunities and how your community can join the growing list of participants.
Barry Carr, of Homeland Energy
Joe Barry, of Onondaga Community College
- Seward
- “The World Has Changed: How Have Our Plans Changed?”**
Among the significant changes: the growth of the internet; the events of 9/11; the disaster wrought by Hurricane Katrina; growing public recognition that global climate change represents an increasing threat to coastal communities; the growing social, cultural, racial and ethnic diversity of our urban communities; increasing economic disparities within metropolitan areas; dramatically increased petroleum and natural gas prices, which are having their greatest impact on low and moderate income people; the growing crisis in affordable housing; etc.
Gene Bunnell, Professor at SUNY Albany
Andy Raus, Clark Patterson consultants in Rochester, N.Y.
Jason Kemper, Director, Saratoga County Planning Dept.
John Behan, of John Behan Associates, Saratoga, N.Y.



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“Rural Sprawl in Upstate NY: Observations on Residential Development and Housing Prices”

The presentation will: orient the audience to the issue of rural sprawl in Upstate; provide findings about issues in the agricultural sector from a focus group of Monroe County land owners, farmers, elected officials, and others; provide findings on the evolution of the single-family housing market in metropolitan Rochester based on data about nearly 100,000 home sales from the NYS Office of Real Property Services; show results of analysis indicating the value that buyers place on various attributes of houses, land, and locations; and point to future directions for the research, which is intended to show us more about the forces driving metropolitan decentralization and what we can do to counter sprawl. For links to all of the completed Brookings Institute reports <http://www.brookings.edu/metro/projects/upstatenewyork.htm>.
Rolf Pendall, AICP, Associate Professor, Department of City and Regional Planning, Cornell University
Joe Laquatra, Professor, Department of Design and Environmental Analysis, Cornell University
David L. Kay, Senior Research Associate, Cornell Community and Rural Development Institute (CARDi)
Nelson Bills, Professor, Department of Applied Economics and Management, Cornell University
Jordan Souter, Ph.D. Candidate, Department of Applied Economics and Management, Cornell University
Margaret Cowell, Ph.D. Candidate, Department of City and Regional Planning, Cornell University

1:30 PM &
3:15 PM
Seneca

Design Challenge: Exciting Opportunities for redevelopment in Downtown Auburn, New York

This program is new to the conference agenda. Over the beginning weeks of this fall semester, the Cornell Department of City and Regional Planning and the State University of New York (SUNY) College of Environmental Science and Forestry (ESF) School of Landscape Architecture have been developing presentations relative to solutions in Auburn. Please attend these presentations, participate in the discussion, ask questions, and see how the training of our new professionals has grown over the recent years with technology.

3:15 PM
Cayuga

“City of Auburn’s Energy Efforts Today – Innovation in Motion”

Since becoming a “Municipal Public Power Agency”, Auburn and Cayuga County have developed a unique strategy towards several energy conservation projects and power generation. This includes NYCOM awards for “Landfill Gas utilization”, and Geothermal System for Memorial City Hall. In addition, with the help of the New York Power Authority (NYPA) and several U.S. Dept. of Energy and NYSERDA grants, we are developing a municipal power plant to reduce significant operating expenses at the Waste Water Treatment Plant and the upgrading of hydroelectric turbines along the Owasco River.

Mayor Timothy C. Lattimore, City of Auburn

Michael Long, Interim City Manager, Auburn, New York

John Montone, Auburn Municipal Power Agency and Village of Solvay Electric Department

Arnie Talgo, New York Power Authority

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“Implementing Transfer Development Rights (TDR)”

Fast growing townships with proposals for new residential units in a Town's Agricultural / Residential zoning districts will have a cumulative impact on the viability of farming, impacts on schools, roads, bridges, water and sewer infrastructures. The TDR Program and Revolving Fund Concept will achieve long-range farmland protection and smart growth development – the first of its kind to be implemented in New York State.

Brian Madigan, Senior Land Use Planner in the firm's Land Planning and Site Design Group providing municipal support for municipal and land planning projects

Keith Ewald, ASLA, APA. Land Use Planner II, Barton & Loguidice, P.C.

Seward

“Looking past Liberty Street: a Community Vision of Sustainable Urban Forestry”

This is a multi-media case study of the Grow Auburn's Trees community forestry partnership in Auburn, New York. These local voices are shared through digital video, audio and photos, and are tied to remotely sensed images of their neighborhoods to describe our city's past and present relationship with the urban forest. Listeners will learn how we are creating our community forestry strategy, and they will also understand how we used our GIS to transform our tree-planting project into a forest planning effort and learn new ways to think about community and develop a deeper sense of shared ownership in their urban forest. Audience members will certainly identify with various parts of the case study, but I think they will also learn new ways to approach their own communities at home.

Walt Aikman, Ph.D. is an Adjunct Assistant Professor in Fulton and Cayuga Community College in Auburn, New York.

Seward

“Visual and Analytical Tools for Landscape Scale and Site Specific Applications”

This presentation demonstrates uses of GIS for landscape-scale and site-specific projects. Geospatial technologies can be powerful additions to the design toolbox of any landscape architect, allowing for 3-D visualization, perspective views that incorporate recent aerial imagery, simple calculation of complex areas, and also highly customizable views that integrate data sources that range from natural features, topography, soils, geology, and political boundaries.

Karen Edelstein is the GIT Ahead Project Manager for Hobart and William Smith Colleges

