

*Participatory Digital and Visual Research, Fall 2013*

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**Class hours and locaton:** Tues., 9:30AM-12:00PM; Gordon Hall Room 302-304

**Office Hours:**

Gano: Tu 12-1 PM (Gordon TBA); and by appointment

Harper: W 1:30-3 PM (starting 09/10/2013 in 214 Machmer); and by appointment

**Course description:**

This course offers graduate and advanced undergraduate students theoretical and practical training in participatory digital and visual research methods, with the learning experience centered around a specific community - based participatory research (CBPR) project in the Pioneer Valley. The project theme for Fall 2013 is "Public Participation in Nanotechnology Policy." In an attempt to respond to the growing calls for increased citizen participation and innovation in science policy and research, the *Futurescape City Tours* are being developed at the Center for Nanotechnology in Society at Arizona State University (CNS-ASU). The UMass *Futurescape City Tour* will bring together citizen panels in the Pioneer Valley to discuss the implications of future applications of nanotechnology for the city in areas such as water management, energy conservation, resilient materials, etc. In doing so, this project creates a space for deliberation about technology and society and enables small groups of participants to interrogate the directions such technologies are taking.

The central research/engagement project will involve a guided walking tour of key locations in the city that allow the citizen panels to explore for themselves the spaces in the built environment where nanotechnologies may soon be applied. *Futurescape City Tours* will provide students in applied anthropology and public policy with a hands-on opportunity to study how public deliberation can break free of traditional workshop spaces, like citizen juries, and how it can be anchored in more place-based experiential engagement, such as a walking tour documented through the use of digital photography and videography. The main focus of the course is on preparing students in the process of collaborative and participatory research: how to collaborate with community partners effectively, how to use theory and method in applied research, how to carry out an effective participatory research project, and how to communicate research results to a wide range of audiences. These are critical research skills and capabilities for social scientists and for public policy professionals.

*Participatory Digital and Visual Research, Fall 2013*

**Course objectives and approach**

The goal of this course is to introduce students from interdisciplinary backgrounds to both theoretical and practical issues associated with involving citizens in science and technology governance. Students are encouraged to use this course as participant action research and to use multiple tools and analytic lenses. After completing this course students should be able to:

- Identify the components associated with planning, executing, and evaluating a small group deliberative project that experiments with contemporary models for technology assessment.
- Understand key arguments and critiques in Science and Technology Studies literature that treat citizen deliberation and the governance of science and technology on themes of managing risk, involving diverse publics, and establishing political and policy salience.
- Design and communicate a plan for both team and independent ethnographic research associated with small group deliberation for S&T assessment.
- Prepare a research portfolio containing data derived from mixed mode participatory and digital methodologies.

This workshop course coincides with the opportunity for the Five Colleges to design and run the Massachusetts site of a national citizen consultation on the future of cities coordinated by the Center for Nanotechnology in Society at Arizona State University. The *Futurescape City Tours* depends upon a set of methods that rely on citizen-driven agendas, the importance of place and materiality, the relevance of multiple timescapes, and the use of photography as a tool for deliberation.

During this tour, citizens will use photography to document their visions of changes in the sociotechnical landscape. They will document places they saw the past persisting, the signs of the present, and the future emerging, paying particular attention to the role of technologies in these locations. In addition to the tour and photography, the pilot integrated science and technology stakeholders and experts on solar energy, biofuels, transportation, water-use—**topics the participants chose**—into a deliberative learning process.

Through the use of these alternative approaches to public engagement, the FCT aims to build capacities among participants to appreciate their role in the trade-offs, path dependencies, and choices which shape technologies and their urban landscape.

Students who wish to continue to conduct research into the spring semester to include cross-site comparison should see instructors for more information.

**Course Texts:**

Gubrium, Aline, and Krista Harper. 2013. *Participatory Visual & Digital Methods*. Left Coast Press. **Available at Amherst Books at 8 Main Street (413) 256-1547**

Other readings will be posted on Moodle. Occasional additional readings and minor assignments may be added as the course progresses.

*Participatory Digital and Visual Research, Fall 2013*

**Course resources:**

National project organizers at the Center for Nanotechnology in Society at Arizona State University have created an online [Tour Implementation Outline](http://cns.asu.edu/fct/tour-implementation) (<http://cns.asu.edu/fct/tour-implementation>) that includes documentation and links to tour materials we will use to organize and host the Springfield FCT.

*The password for accessing this protected part of the project website is **fct2013***

Additional documents, resources and online workspaces will be available to course participants.

**Course requirements & assignments:**

Late assignments will be accepted only when a) the delay arises from a last-minute situation that prevents physical presence in class or b) the reason for delay has been explained to the instructor in advance and an alternate deadline arranged. See the grading criteria section for information on how each assignment is weighted toward the final course grade.

- **Participation** – This course is a “workshop” with a seminar style, meaning that it will rely on discussion of readings and on group activities rather than lectures to advance collective and individual understanding of the material and of issues that arise in practice. The participation percentage of your grade will be based on the depth and consistency of your engagement during course sessions and in course activities.
- **Group Deliverable (1)** – You will join a designated group with a team deliverable that is integral to the research project. You will be evaluated on the quality of work you do in carrying out the group’s assigned duties.
- **Individual Deliverables (2)** – Fieldnotes, interview transcription, or other data (e.g., organized photo sets, film clips, annotated GoogleMaps, etc.) should be uploaded as you collect/record them. 1-page reflection on 2 deliverables. Students should aim to gain experience in a range of data collection and documentation techniques. Due dates for the 1-page reflections on the deliverables are the following: October 22, Nov 26.
- **Individual Portfolio Presentation** – During the final exam session, all students will present their complete research portfolios, including a data inventory (see handout to be posted on Moodle), and present their initial interpretations of the Futurescapes fieldwork process and initial data, drawing upon the course readings and data collected this fall. This session is scheduled for Tuesday, December 10 (time/room TBA).
- **Final Portfolio with Written Summary:** At the end of the course, each student will submit a complete portfolio of the work they have done over the course of the project. Documents to be included: fieldnotes, visual materials, focus group transcriptions or notes, and a written summary that analyzes the data you have collected in light of the questions and hypotheses listed in the project proposal. Students are also encouraged to elaborate on their own questions that have emerged during the research process and from initial data analysis. A more detailed description of the assignment will be posted on Moodle shortly. Deadline is Friday, December 13 at 5 pm.

*Participatory Digital and Visual Research, Fall 2013*

**COURSE SCHEDULE**

**Week 1 (Sept 3): Introduction to the course and to the *Futurescape City Tours* project**

**Suggested pre-readings:**

Review background material on Futurescape City Tours project website - [subsection "FCT in Action"](http://cns.asu.edu/fct/fct-in-action) <http://cns.asu.edu/fct/fct-in-action>

Davis, Sarah R., Cynthia Selin, Gretchen Gano, and Ângela Guimarães Pereira. "Finding Futures: A Spatio-Visual Experiment in Participatory Engagement." *Leonardo Vol 46*, No 1. (2013).

Gubrium, Aline, and Krista Harper. 2013. *Participatory Visual & Digital Methods*. Left Coast Press. [Chapter 1; link posted on Moodle]

Complete [CITI training course](http://www.umass.edu/research/human-subjects-trainingciti-training-course):

<http://www.umass.edu/research/human-subjects-trainingciti-training-course>

**Project activities:**

- Project teams formed: science & technology experts, participants, tour, installation, data management [See handout for descriptions and associated course deliverables]
- Complete CITI Training before engaging in recruitment activities:  
<http://www.umass.edu/research/human-subjects-trainingciti-training-course>
- Citizen recruitment: by email and at weekend festivals in Springfield (Glendi Greek Festival and Mattoon Street Art Fair, pending approval of event organizers)

**Week 2 (Sept 10): Digital and participatory methods in community-engaged research**

**Readings:**

[complete Week 1 readings, if you have not already done so]

Gubrium, Aline, and Krista Harper. 2013. *Participatory Visual & Digital Methods*. Left Coast Press. [Chapter 2&3]

Sismodo, Sergio, 2008. "Science and Technology Studies and an Engaged Program" *The Handbook of Science and Technology Studies*. 3rd ed. Cambridge, Mass: MIT Press : Published in cooperation with the Society for the Social Studies of Science. [Moodle]

**Project activities:**

- Review [Pre-Planning Documentation](http://cns.asu.edu/fct/tour-implementation/pre-planning) <http://cns.asu.edu/fct/tour-implementation/pre-planning>
- Continue participant recruitment

*Participatory Digital and Visual Research, Fall 2013*

**Week 3 (Sept 17): Public engagement with S&T-- expertise and boundary work**

**Readings:**

Gubrium, Aline, and Krista Harper. 2013. *Participatory Visual & Digital Methods*. Left Coast Press. [Chapter 4]

Pink, Sarah, and Kerstin Leder Mackley. 2012. "Video and a Sense of the Invisible: Approaching Domestic Energy Consumption through the Sensory Home." *Sociological Research Online* 17(1): 3. <http://www.socresonline.org.uk/17/1/3.html> [link also on Moodle]

Bucci and Neresini, 2008. "Science and Public Participation" *The Handbook of Science and Technology Studies*. 3rd ed. Cambridge, Mass: MIT Press : Published in cooperation with the Society for the Social Studies of Science. [Moodle]

Guston, David. 2013. "Building the Capacity for public engagement with science in the United States." *Public Understanding of Science*, in press.

**Project Activities:**

- Teams review [project implemetation documentation](#) and create project plans and timelines
- Continue citizen recruitment

**Week 4 (Sept 24): Public Engagement in Participatory Technology Assessment: Nanotechnology as a case**

**Speaker from UMass MRSEC -- nanotechnology research at UMass Amherst**

**Readings:**

Examine the Nanoscale Information Science Education Network's (NISEnet) [What is Nano site](#)

Barben, D. et al. 2008. "[Anticipatory Governance of Nanotechnology: Foresight, Engagement, and Integration](#)." *The Handbook of Science and Technology Studies*,: 979–1000.

Delgado, Ana. "Public Engagement Coming of Age: From Theory to Practice in STS Encounters with Nanotechnology." *Public Understanding of Science* 20, no. 6 (November 1, 2011): 826–845.

***Participatory Digital and Visual Research, Fall 2013***

**Supplementary/suggested:**

Wiek A, Foley RW and Guston DH 2012. Nanotechnology for sustainability: What does nanotechnology offer to address complex sustainability problems? *Journal of Nanoparticle Research* 14: 1093.

**Project activities:**

- Application review and participant confirmation

**Week 5 (Oct 1): Preparation for participant meeting #1**

**Readings:**

Davies, Sarah R. 2011. "How We Talk When We Talk About Nano: The Future in Laypeople's Talk." *Special Issue: Future-oriented Technology Analysis* 43(3): 317–26. <http://www.sciencedirect.com/science/article/pii/S0016328710001527>.

Hommels, Anique. "Studying Obduracy in the City: Toward a Productive Fusion Between Technology Studies and Urban Studies." *Science, Technology & Human Values* 30, no. 3 (July 1, 2005): 323–351. doi:10.1177/0162243904271759.

**Supplementary:**

Davies, Sarah R., Cynthia Selin, Gretchen Gano, and Ângela Guimarães Pereira. "Citizen Engagement and Urban Change: Three Case Studies of Material Deliberation." *Cities* 29, no. 6 (December 2012): 351–357. doi:10.1016/j.cities.2011.11.012.

**Project Activities:**

- All review [Session 1 Project Documentation](#)

**Week 6 (Oct 8): Field trip to the Springfield museum and tour of potential Springfield sites**

**Readings:**

Pink, Sarah. 2008. "An Urban Tour." *Ethnography* 9(2): 175–96.

**Week of Oct 15: NO CLASS**

**October 16 Participant meeting #1 5:30-8:30PM, Springfield location TBD**

**October 17 Proposed Debrief meeting 5:30-7:30PM, location TBD**

Potential Visitor for debrief session: [Sarah Davies](#)

**October 21 – Brownbag Speaker @ CPPA – Darlene Cavalier, SciStarter, Citizen Science/Open Science and Technology Assessment (recommended)**

*Participatory Digital and Visual Research, Fall 2013*

**Week 7 (Oct 22): (TENTATIVE, may cancel this meeting if we debrief earlier)**

**Debrief on Meeting #1**

**\*\*\*Project Deliverable 1 due on Moodle**

**Suggested Reading:**

Horst, Maja, and Mike Michael. 2011. "On the Shoulders of Idiots: Re-thinking Science Communication as 'Event'." *Science as Culture* 20(3): 283–306.  
<http://www.tandfonline.com/doi/abs/10.1080/09505431.2010.524199> (March 11, 2013).

**Project Activities:**

- Design tour route & secure and brief experts

**Week 8 (Oct 29): Tour Preparation**

**Readings:**

Gubrium, Aline, and Krista Harper. 2013. *Participatory Visual & Digital Methods*. Left Coast Press. [Chapter 7&9]

Swart, Rob J., Paul Raskin, and John Robinson. 2004. "The Problem of the Future: Sustainability Science and Scenario Analysis." *Global environmental change* 14(2): 137-46. <http://www.sciencedirect.com/science/article/pii/S0959378003000670>

**Project Activities:**

- Design tour route & secure and brief experts

**Week 9 (Nov 5) : Tour Dry Run**

**Readings:**

Rowe, G., and L. J Frewer. 2004. "Evaluating public-participation exercises: a research agenda." *Science, Technology, and Human Values* 29 (4): 512–557.

**Supplemental:**

Carpini, Michael X. Delli, Fay Lomax Cook, and Lawrence R. Jacobs. 2004. "PUBLIC DELIBERATION, DISCURSIVE PARTICIPATION, AND CITIZEN ENGAGEMENT: A Review of the Empirical Literature." *Annual Review of Political Science* 7(1): 315-344.

**Project Activities:**

- Design tour route & secure and brief experts

**Week 10 (Nov 12): Tour Prep**

**Project Activities:**

- Design tour route & secure and brief experts

*Participatory Digital and Visual Research, Fall 2013*

**Meeting #2 Tour, Saturday, Nov 16<sup>th</sup> 7:30AM-6PM Springfield**

**Meeting #3, Monday, Nov 18 5:30-8:30PM Springfield**

**Week 11 (Nov 19): Debrief on tour and meeting 3; begin exhibition prep**

**No readings**

**Project activities:**

- Review research documentation from Meetings #2 and #3.
- Begin exhibition preparations

**Week 12 (Nov 26): Exhibition prep; data analysis and organization**

Qualitative Data Analysis lab demo [tentative]

**Readings:**

Readings on data analysis and coding [Moodle]

**Project activities:**

**\*\*\*Project Deliverable 2 due**

**Week 13 (Dec 3): Exhibition prep; preliminary data analysis**

**Readings:**

Gubrium, Aline, and Krista Harper. 2013. *Participatory Visual & Digital Methods*. Left Coast Press. [Chapter 8]

**Project activities:**

- Continue exhibition preparations
- Meeting or conference call with exhibition collaborators

**Exam week (Dec 10) \*\*\*Portfolio presentations, time/location TBD**

**TENTATIVE Dec 12 Public gallery installation, time/location TBD**

**\*\*\*FINAL PORTFOLIO AND WRITTEN SUMMARY DUE: Friday Dec 13 at 5:30 pm, followed by team celebration and debrief, Friday, Dec 13, location TBD.**



*Participatory Digital and Visual Research, Fall 2013***GRADING**

<b><u>Assignment</u></b>	<b><u>Percentage of final grade</u></b>
<b>Participation</b>	<b>10%</b>
<b>Group Deliverable</b>	<b>15%</b>
<b>Project Deliverable 1</b>	<b>15%</b>
<b>Project Deliverable 2</b>	<b>25%</b>
<b>Portfolio presentation</b>	<b>10%</b>
<b>Final portfolio and written summary</b>	<b>25%</b>
<b>TOTAL</b>	<b>100%</b>

<b>Letter</b>	<b>Highest %</b>	<b>Lowest %</b>	<b>Expectations</b>
<b>A</b>	<b>100.00</b>	<b>93.00</b>	<b>Work of the highest professionalism; outstanding research documentation and communication.</b>
<b>A-</b>	<b>92.99</b>	<b>90.00</b>	<b>Highly professional work; excellent quality research documentation and communication.</b>
<b>B+</b>	<b>89.99</b>	<b>87.00</b>	<b>Reliable, professional work; high-quality documentation and communication.</b>
<b>B</b>	<b>86.99</b>	<b>83.00</b>	<b>Reliable, professional work; good quality documentation and communication.</b>
<b>B-</b>	<b>82.99</b>	<b>80.00</b>	<b>Reliable, professional work; satisfactory documentation and communication.</b>
<b>C+</b>	<b>79.99</b>	<b>77.00</b>	<b>Generally professional work; thin documentation and communication.</b>
<b>C</b>	<b>76.99</b>	<b>73.00</b>	<b>Generally professional work; thin documentation and communication.</b>
<b>C-</b>	<b>72.99</b>	<b>70.00</b>	<b>Unprofessional performance or unacceptable work</b>
<b>D+</b>	<b>69.99</b>	<b>67.00</b>	<b>Unprofessional performance or unacceptable work</b>
<b>D</b>	<b>66.99</b>	<b>60.00</b>	<b>Unprofessional performance or unacceptable work</b>
<b>F</b>	<b>59.99</b>	<b>0.00</b>	<b>Missing or unacceptable work</b>

# Springfield & Holyoke Bounds Fall 2013

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**Save the Date!**

Holyoke Bound: Saturday, September 21, 2013

Springfield Bound: Saturday, September 28, 2013

Locations: To Be Determined

In collaboration with: Five College Community Based Learning Partnership, UMass School of Public Health and Health Sciences, Western New England College, and various Community Based Organizations in Holyoke and Springfield



## What are Holyoke and Springfield Bounds?

They are day-long orientations to the cities of Holyoke and Springfield for college students who are interested in interning, volunteering or taking a Community Based Learning/Service Learning Course on their college campus. Each orientation will include a brief history Holyoke or Springfield, and possible workshop topics include: Government and Politics, Education, Public Health, Education and Economy. Afternoon will include workshops aimed at preparing students to engage with community.

For more information, please contact: [risa@schoolph.umass.edu](mailto:risa@schoolph.umass.edu)

\* Student Registration will be available starting September 4, 2013

\*Transportation will be provided for students that are part of the Five Colleges (Amherst College, Hampshire College, Mount Holyoke College, Smith College, and UMass Amherst).

## 41st Festival

Saturday – Sunday, September 7 & 8, 2013

[Welcome!](#) [Directions](#) [The Neighborhood](#) [Exhibitor Sign-Up](#) [Festival Sponsors](#) [2013 Exhibitors](#) [Contact Us](#)  
[Food & Entertainment](#) [Press Coverage](#) [Festival photos](#)



### Welcome!

The 41st edition of the Mattoon Street Arts Festival will be celebrated in 2013 -- it is the longest running arts festival in the Pioneer Valley.

The 2013 Festival is now full! We cannot take any additional exhibitors, but artists may be [placed on the waiting list](#) in case of cancellations.



The Mattoon Street Arts Festival features 100 exhibitors, food vendors, and strolling musicians.

Parking at the TD Bank lot and admission are free. We are just three blocks from I-91. Come join us at this family-friendly event. Great for holiday shopping, seeing new craft ideas, or just walking on a beautiful Victorian street.

Also on the Saturday of the festival, the [HISTORY ON THE MOVE CAR SHOW](#) will be taking place at the Springfield Museums, right next to Mattoon Street, from 9:00 AM to 3:00 PM.

*10th Anniversary!* Enjoy classic and vintage autos, music, and family activities, plus muscle cars from the popular NESN series *Cruisin' New England*, a replica of the famous 1893 Duryea, along with Springfield-built autos in the Wood Museum of Springfield History. Free with museum admission.

*41st Festival ~ Saturday & Sunday September 7 & 8, 2013 10:00 AM -- 5:00 PM*

# GLENDI 2013

## Springfield's Greek Festival

*(Glendi is Greek for Celebration)*

*THERE'S NOTHING  
QUITE LIKE GLENDI!*



[CLICK HERE](#) for **GLENDI 2013 VENDOR APPLICATION**



### WHERE...

ST. GEORGE CATHEDRAL  
THE GREEK CULTURAL  
CENTER  
22 ST. GEORGE ROAD  
SPRINGFIELD, MA

### WHEN...

SEPTEMBER

6

Friday - 5 p.m. to 11  
p.m.

SEPTEMBER

7

Saturday - 12 noon to 11  
p.m.

SEPTEMBER

8

Sunday - 12 noon to 7  
p.m.

Click above for a detailed list of events,