SPECIALIST MEETING
ADVANCING THE SPATIALLY ENABLED SMART CAMPUS
December 11–12, 2013
Upham Hotel, Santa Barbara, California

The Center for Spatial Studies at the University of California, Santa Barbara is organizing and hosting a specialist meeting about the smart campus. The meeting will bring together academic and industry representatives with interest in conceiving, designing, and building a smart campus. It will combine "thinking big" (asking what will make campuses smarter in the future) with "acting small" (focusing on specific organizational and technological measures and their evaluation).

Motivation

Making our daily environments smart through technologies has been on research and political agendas for more than three decades, with a primary interest in the outdoor environments of cities. Smart city projects are now found worldwide, focusing on sustainability, e-governance, transportation, health, etc. by deploying innovative technologies for sensing, social networking, and knowledge integration. To some extent, campuses can be seen as "small cities," raising similar concerns for a particular kind of population. Additionally, smart campuses have their own challenges and opportunities, e.g., the support of creativity and interdisciplinary collaboration in science or the involvement of technologically savvy students. Spatial thinking and computing are thought to be key enablers for all these aspects of smart campuses, but this case needs to be made more effectively with university administrators and domain scientists.

Participants will address such questions as:

- How can information-communication (ICT), volunteered geographic information (VGI), and sensor network technologies be deployed to meet smart campus objectives?
- How can geospatially enabled ICT/VGI contribute an understanding of campus diurnal/seasonal demographics and resource uses of buildings, pathways, and spaces?
- What are possible design features of a dashboard to best monitor and display smart campus implementations?
- How can spatially enabled smart campuses contribute to the learning, teaching, and research opportunities of students, staff, and faculty?

For more information and other questions of interest, see http://www.spatial.ucsb.edu/events/ASESC/

Goals

This meeting will outline new frontiers for smart campus research and deployment. It will formulate scenarios of future campuses, define a prioritized list of services, and identify research needs to realize them. Experiences with smart cities and scenarios from that area will serve as inspiration and reality check. The unique challenges resulting from academic environments will be identified and related to the radical transformation of how universities enable learning, discovery, and invention. A particular focus will combine state-of-the-art smart campuses with spatially enabled knowledge infrastructures and sensor networks.

The meeting will achieve long-term impact by:

- publishing on research that enables smart campuses;
- exchanging best practices in a globalized Linked Universities network (http://linkeduniversities.org/) and
- formulating the case for space to university administrators, highlighting sustainability, knowledge sharing, student involvement, safety, and other perspectives.

Means

About 30 experts and graduate students will convene to share and develop visions, insights, and best practices for future smart campuses. Plenary presentations and intense exchanges in small breakout discussion groups offer opportunities to develop:

- alternative and complementary scenarios for a "Smart Campus 2025";
- research agendas in several areas (technology, institutional, and social aspects); and
- a repository of ongoing smart-campus projects, highlighting best practices.

Call for Applications

To apply, please submit a 2-page résumé and a 2-page position paper discussing your interest in smart campuses by **September 27, 2013**. Participants will be selected by the organizing committee and notified by **October 11**. Subject to approval, limited funding for travel and accommodation costs will be available to invited participants. Please go to http://spatial.ucsb.edu/forms/asesc-applications/ for further details about this meeting and to submit an online application.

ORGANIZERS:
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