

**Association of Collegiate Schools of Planning.** Annual Conference. October 27-30, 2005. Charleston, South Carolina.

**Objectives: A Roundtable** – for faculty with little or no GIS and spatial analysis skills – will describe how spatial analysis can be incorporated into urban planning courses and introduce them to CSISS/SPACE pedagogy, teaching materials developed by panelists, and open source software appropriate for teaching spatial concepts to beginning students. The purpose is to encourage greater use of spatial concepts in planning courses of all kinds and adoption of modules and open source software as appropriate. For faculty who are already teaching computerized analysis and who may have GIS skills, an **ACSP computer users group** session will describe how the modules and software can be integrated into existing urban planning GIS, research methods, and data analysis courses – particularly at the undergraduate level.

**Instructors:**

**Richard LeGates**, Professor of Urban Studies S.F. State University. PI, NSF, “Spatial, Culture, and Urban Policy” grant to develop instructional modules to teach undergraduate social science faculty spatial analysis and data visualization. PI, SFSU SPACE summer workshop. Author of an instructional module titled *Think Globally, Act Regionally* consisting of a textbook (ESRI Press 2005), exercises, and data CD.

**Stuart Sweeney**, Assistant Professor, Department of Geography, U.C. Santa Barbara. Workshop leader 2005 Santa Barbara SPACE summer workshop. Instructor 2004 Santa Barbara SPACE summer workshop. Instructor CSISS Spatial Demography Workshop, Penn State 2003. Executive committee CSISS 1999 – present. He has used GeoDa, FlowMapper, and STARS (Space-Time Analysis of Regional systems) software in his teaching and in workshops for social science faculty.

**Ayse Pamuk**, Associate Professor of Urban Studies, SFSU. Co-PI in NSF, “Spatial, Culture, and Urban Policy” grant. Author of an instructional module titled *GIS Methods for Urban Analysis* (text, exercises, data CD).

**Brian Paar**, Workbook project manager for ESRI Virtual Campus. He is co-author of an instructional module (text, exercises, CD) titled *ArcGIS and the Digital City: A Hands-on Approach for Local Government*.

**Agenda:** Three separate components:

A 1 ½ hour **roundtable session** at the main ACSP conference titled: “**Integrating GIS and Spatial Analysis into the planning curriculum: new pedagogies for beginners**”.

Presentations by LeGates, Sweeney, Paar, and Pamuk on instructional modules they have developed. Presentation by Sweeney on public domain software for teaching spatial analysis. Audience discussion.

A one-hour session of the **ACSP computer users group** titled “**Instructional modules and software to teach spatial analysis**”. Similar content to the roundtable, but designed for skilled users teaching research methods, data analysis, and GIS in planning schools to expose them to these materials and pedagogy. The intent is to encourage this group to adapt some combination of the new ideas and materials in their teaching.

**Drop-in Workshops.** Two 3-hour blocks on different days when conference participants may drop in and complete exercises in any of the three instructional modules (with LeGates, Paar, and Pamuk), see demos, and try the open source software. Laptops with 1GB of RAM and ArcGIS will be available for the workshops.