

# REGIONAL RESEARCH INSTITUTE SUMMER COURSES IN SPATIAL ECONOMETRICS July 25-28, 2016

## **Description:**

The objective of the course is to provide a (not so short) introduction to spatial econometrics. Students will learn how to model and incorporate spatial dependencies into their empirical analyses. The course will cover basic as well as more advanced concepts ranging from the different typologies of spatial data, through the definition of connectivity in space (spatial weights matrices), to a comprehensive treatment of various spatial econometric models both cross-sectional as well as panel. Estimation methods presented will include MLE (maximum likelihood), GMM (generalized method of moments), GLS (generalized least squares), and GS2SLS (generalized spatial two stage least squares). The latter part of the course will deal with special topics such as panel data models, and various testing procedures.

## **Instructor:**

Gianfranco Piras

## **Organization:**

The course is organized into a format that includes morning (theoretical) lectures and afternoon computing lab and applications sessions. A reading list will be provided for each of the topics covered. Additional course materials will be provided.

## **Applications:**

Applicants should submit a curriculum vitae and a brief statement of interest to [RRI@mail.wvu.edu](mailto:RRI@mail.wvu.edu). Applicants will be screened for suitable levels of preparation and background, and placed into the course on a first come, first served basis.

## **Important Dates:**

Applications period opens: May 9, 2016

Extended Application Deadline: July 1, 2016

Acceptance Notification: Two days after application is received.

Confirm Participation by July 8, 2016

We will be able to admit a limited number of participants based on applications received by the deadline. Participation must be confirmed through the payment of course fees on or before July 8, 2016.

## **Fees:**

The course fees are \$3,000. Fees cover course tuition, lunches and course materials. Submitted fees will be non-refundable. *Accommodation and other living expenses are not included.* A block of rooms will be reserved at nearby hotels at a discounted rate.

**Additional information and a link for registration will be available soon on the RRI website at: <http://rri.wvu.edu/>.**



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West Virginia University is governed by the West Virginia University Board of Governors and the West Virginia Higher Education Policy Commission. E. Gordon Gee is the 24th president of West Virginia University.*