



## 17th International Input-Output Conference

**TITLE: THE HIERARCHICAL STRUCTURE OF THE SPANISH INTERINDUSTRY SYSTEM**

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**ABSTRACT:**

The interindustry linkages gathered in the Input-Output information follows a particular and changing structure. To know the specific Input-Output structure of each country, or region, is of great importance in order to explain diverse phenomena, like the diffusion of innovation, and from a policy point of view. This paper applies Network Theory and Social Network Analysis to study the structure of the Spanish interindustry system and its evolution in the period 1980-2000. The main objective is to make the network skeleton emerge to test the existence of a hierarchical topology where a core and a periphery can be identified. Moreover, there are subsystems, in the complex national interindustrial system, that can be identified as modules and assimilated to production systems. The core can also be characterized analyzing the growing relevance of service sectors and, particularly, of Business Services.