

5th International Conference on **GIS and Remote Sensing**

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Analysis of spatial location of immigrant currents from regions of Spain in the city of Rosario, Santa fe, Argentina with geographic information systems

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The city of Rosario in the province of Santa Fe was developed from 1854 by the contribution of a broad current of immigration of European origin, mainly Italians and Spaniards. The Spanish Association of Mutual Reliefs of Rosario was the second of its kind in South America. On the basis of the archives of this Institution investigative studies were made to analyze from the use of GIS the spatial distribution in the territory of the city of the different regional communities of Spain as far as their time of arrival, relation of proximity between the countrymen of the same collectivity, and the spatial dispersion of the same ones as far as the vertiginous growth of the locality between its origins and 1950. In greater detail, an analysis of the spatial location processes of three significant communities, the Aragonese, Catalan and Galician, is carried out in order to analyse the different installation processes, the existence of selective segregation and the peripheral centre relationship for the location of each of them. Rosario Center Maps related to Rosario include georeferenced partners. In different images it is taken as a parameter the year of entry to the entity that covers from 1857 to 1950, the age of entry into society, the differentiation by sex that does not show special geographical provisions, the civil status (with three states in both sexes: single, married, widowed.), the marital status of women. the variable country of origin (despite being a Spanish Association allowed entry to any person), the spatial distribution of members of Spanish origin, classifying them according to provinces of origin.

**Recent Publications**

1. CATASTRAL DATABASE FOR SMALL COMMUNES AND MUNICIPALITIES, published in the FIRST HISPANOAMERICAN CONGRESS OF TERRITORIAL CATASTER, Mar del Plata, 1987.
2. "Introduction to Computer Graphics", Technical Drawing Publication - 1988.
3. "Pedagogical Experience in the Teaching of Land Information Systems" in the THIRD LATIN AMERICAN COURSE ON GEOGRAPHICAL INFORMATION SYSTEMS, Chile, 1991.
4. Book "Spaniards in Society" Commemorative of the "Spanish Association of Mutual Reliefs of Rosario" Year: 2007.
5. "Land Use Planning in Santa Fe la Vieja (1573-1660). Urban and Rural Space. 9th Ibero-American Conference on Systems, Cybernetics and Informatics (CISCI 2010) Orlando, Florida, USA.
6. "Analysis of land use in the lower basin of the Pavón stream", Santa Fe, Argentina" 13th Meeting of the International Center for Earth Sciences (E-ICES 13), Mendoza, 2018

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Biography

Adrian Oscar Bussolini graduated as Systems Analyst at the National Technological University of Rosario and began his teaching career in 1988, in the scope of the FCEIA-Rosario of the UNR. He began teaching courses in Computer Aided Design at the Technical Drawing Department and immediately became oriented to Geographic Information Systems in the career of Surveying. He was responsible for the Geoinformatics Laboratory (from 1996 to 2008). He is a member of the Commission of Final Work of Surveying. He teaches three subjects: Territorial Information Systems 1 and 2 and Geomatics. He taught in the province of Corrientes, in the province of Catamarca and in the career of Anthropology in Rosario. He presented works in Chile, Orlando (USA), Valencia (Spain), Curitiba, Foz do Iguazu and São Paulo (Brazil), Prague (Czech Republic), among others. He also works as a computer specialist in the "Dr Juan Alvarez" Argentine Library, dependent on the Municipality of Rosario since 1989.

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