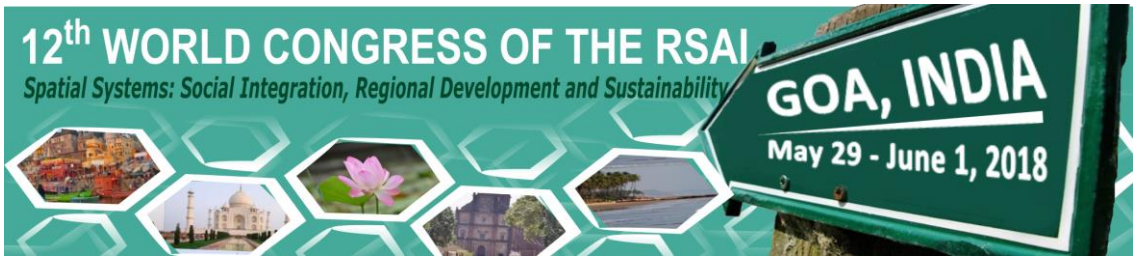

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Special Session (SS05) on:

Spatial Analysis: From Neural Computing to Deep Learning

Organisers:
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The aim and scope of the special session:

Neural computing has been employed to analyze spatial problems under high level of complexity and non-linearity. Spatial interaction is a typical problem whose solution can be efficiently obtained through a non-linear learning process. In the big data era, the need for such an approach is even more imminent. With voluminous and a great variety of data coming in as data streams in time and space, spatial analysis calls for neural computing that can unravel and analyze spatial problems in which deep and complex structure is embedded. Deep learning offers such a possibility. The purpose of this session is to take us from the classical neural computing construct to the deep learning paradigm within which complex and non-linear spatial structures and processes can be effectively and efficiently learned and analysed. The papers will give the conceptual frameworks and the empirical supports through such time tunnel of neural computing.

SUBMIT AN ABSTRACT