



Università Tor Vergata, Roma
Dipartimento di Informatica, Sistemi e Produzione
GeoInformation Doctorate



GeoInformation Seminar

DISP meeting room, Ingegneria dell'Informazione, 1 Via del Politecnico
31 January 2012, starting at 16:00

Daniele Latini

Application of Neural Networks to sea surface and coastal area monitoring by X-band SAR

The capabilities of the COSMO-SkyMed products are exploited for coastline extraction. In this context, a new algorithm based on Pulse Coupled Neural Networks (PCNN) has been developed to perform the segmentation.

The results obtained by the PCNN technique will be shown and discussed also in comparison with a standard procedure assumed as benchmark.

Daniele Latini received the Laurea Specialistica (M.S. degree) in Telecommunications Engineering from the Tor Vergata University, Rome, in 2009 . He is currently a second-year GeoInformation PhD candidate.

His research activity involves the investigation on the potentials of X-Band SAR satellites with focus on the marine environment.

You are cordially invited to attend.

<http://www.disp.uniroma2.it/geoinformation/>