

For Favour of Posting



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Seminar

Marked Point Processes for Object Extraction in High Resolution

Professor Josiane Zerubia

*Head, Ariana Project
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Abstract: In this talk, Prof. Josiane Zerubia will consider the marked point process framework for image analysis. She will first show that marked point processes (MPPs) are more adapted than Markov Random Fields (MRFs) to deal with high resolution images, including some geometrical constraints in the solution and dealing with strongly correlated noise. Then she will consider 3 applications in remote sensing: road network extraction, tree crown detection and counting, and finally building extraction in urban areas. She will explain how this approach can be applied to a broad range of image processing problems (medical, biological, seismic...). Finally she will mention some future work.

Joint work with X. Descombes, C. Lacoste, M. Ortner, G. Perrin, R. Stoica and F. Lafarge from Ariana research group at INRIA Sophia Antipolis Méditerranée, France.

Date: September 30, 2010 (Thursday)
Venue: Room C3, Lady Shaw Building,
The Chinese University of Hong Kong, Shatin
Time: 4:30 p.m. ~ 5:30 p.m.

All are Welcome