



University of Pavia

Ph.D. School of Electrical and Electronics Engineering and Computer Science

SEMINAR

Segmentation of multi-dimensional images

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Aula F2

Abstract: To use hyperspectral data, one must confront the fundamental non-stationary nature of the data. We consider spatial segmentation of the data into quasi-stationary areas. We have shown in an initial presentation that we concluded that segmentation was always beneficial; in latter work, we have developed a more nuanced approach. algorithms.

Bio: Stanley R. Rotman was born in Boston, Massachusetts, in 1958. He received the B.S., M.S. and Ph.D. degrees in Electrical Engineering from the Massachusetts Institute of Technology, in 1979, 1980 and 1985, respectively. His present position is full professor at Ben-Gurion University of the Negev, Dept. of Electrical and Computer Engineering, Beer-Sheva, Israel. He is a senior member of IEEE and a fellow of SPIE. For the last decade, Prof. Stanley Rotman has been developing state-of-the art hyperspectral data analysis techniques for military and industrial applications. This includes innovative spectral target detection algorithms for tracking targets in four-dimensional space, new algorithms for sub-pixel target detection in spectral images, and new segmentation techniques for multipixel multispectral target detection in clutter.

Organizer

Proff. Paolo Gamba/Fabio Dell'Acqua

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Seminar in English

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