

28 Agosto 2012 ore 14.00

Aula Bruno Brunelli

3D Imaging, Analysis and Applications

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In this talk, I will mainly summarize our work and particularly show results on various aspects of 3D imaging, analysis and applications: camera calibration, image enhancement, key point detection, free form shape registration, 3D surface data fusion and modelling, 3D surface saliency analysis and simplification, etc. During the process, I will also show some state of the art techniques for 3D surface data analysis. Then I will outline some work in the department and university as well on 3D crop phenotyping, ESA ExoMars rover programme, river basin dynamics and hydrology, forest classification and biomass estimation, soft matter modelling and visualization, mammogram data analysis, robot scientists, etc. Finally, I will suggest some possible directions for our potential research collaboration.

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