

PhD Defense: 'From Line Matching to 3D Scene Abstraction'

Data: venres, 7 xuño, 2019 -12:00 -
14:00

Lugar: CiTIUS Assembly
Hall

Poñente(s): Roi Santos Mateos (CiTIUS predoctoral
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Idioma: Inglés

Streaming: Por confirmar



Implementing environment comprehension into machines is a challenge for mankind. The ability to fetch, classify and interrelate the perceptible elements captured by cameras is the link between our global net of cameras and the Artificial Intelligence. In order to make pictures understandable by machines, these have to be reduced to atomic describable concepts like points, lines or ellipses.

Straight line segments are frequently found in captures of man-made environments. My thesis goes through straight line segment matching between images and the other operations leading to the creation of line based 3D representations for the captured scenes or objects.

Supervisors: [Xose Manuel Pardo López](#) and [Xose Ramón Fernández Vidal](#)