

TEP-164 Cartographic Engineering

Coordinator: Dr. Francisco Javier Ariza López (fjariza [arroba] ujaen [punto] es)

Website for the group

[Website for the Cartographic Engineering Research Group](#)

Research lines

- Spatial data - generalization and multiple representation of spatial data, quality of spatial data and propagation of uncertainty in spatial data
- Spatial data capture - cartographic and heritage applications of photogrammetry, remote sensing, UAVs based on new sensors and tools
- Cadastral valuation and developments
- Applications: Non-conventional applications of Geographic Information Systems, mainly concerning the use of environmental and cadastral applications
- Geodesy - control of crustal deformations on a national/continental scale

Related services and products

- [Guide procedure and system for automatic harvesting of horticultural products based on digital 3D modeling](#)
- [Self-leveled device for GNSS surveying of linear elements](#)
- [Multipurpose cadastral applications and property valuation](#)
- [Consultancies in national and international bodies](#)
- [Quality systems and quality assessment and control of spatial data and SDI](#)
- [Localization-based services](#)
- [Design, development and implementation of SIG applications and analysis](#)
- [Generation of geographical databases and cartography](#)
- [Implementation of quality systems](#)
- [Digital image processing \(multi- and hyper-spectral\)](#)
- [Web mapping, 3D mapping, on-demand mapping](#)
- [Software design](#)
- [GNSS networks for control of crustal deformations on a national/continental scale](#)
- [Assessment of measurement uncertainty in topographic-geodetic instruments](#)
- [Specialization courses in cartographic engineering](#)

Spanish website: <http://bit.ly/2QIMOTj>