

**PROPOSTA DI ISTITUZIONE DEL CORSO DI DOTTORATO IN
INGEGNERIA ELETTRONICA, INFORMATICA ED ELETTRICA**

CICLO 33

**Produzione scientifica dei membri del collegio dal 2012 al 2016: vengono riportate per ciascuno le (max) 5
pubblicazioni ritenute più significative ricomprese nelle tipologie VQR**

Prof. Gustavo Marrero Callico

Callico, G.M., Lopez, S., Aguilar, B., Lopez, J.F., Sarmiento, R.

Parallel implementation of the modified vertex component analysis algorithm for hyperspectral unmixing using opencl
(2014) IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, art. no. 6875933, pp. 3650-3659

DOI: 10.1109/JSTARS.2014.2340579 - DOCUMENT TYPE: Article

Quevedo, E., De La Cruz, J., Callicó, G.M., Tobajas, F., Sarmiento, R.

Video enhancement using spatial and temporal super-resolution from a multi-camera system

(2014) IEEE Transactions on Consumer Electronics, art. no. 6937305, pp. 420-428 - DOI: 10.1109/TCE.2014.6937326

DOCUMENT TYPE: Article

Lopez, S., Horstrand, P., Callico, G.M., Lopez, J.F., Sarmiento, R.

A novel architecture for hyperspectral endmember extraction by means of the modified vertex component analysis (MVCA) algorithm

(2012) IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, art. no. 6255775, pp. 1837-1848 - DOI: 10.1109/JSTARS.2012.2205560 - DOCUMENT TYPE: Article

Santos, L., López, S., Callicó, G.M., López, J.F., Sarmiento, R.

Performance evaluation of the H.264/AVC video coding standard for lossy hyperspectral image compression

(2012) IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, art. no. 6080751, pp. 451-461

DOI: 10.1109/JSTARS.2011.2173906 - DOCUMENT TYPE: Article

Marrero R., Lopez S., Callicó G.M., Veganzones M. A. , Plaza A., Chanussot J. and Sarmiento R.

A Novel Negative Abundance-Oriented Hyperspectral Unmixing Algorithm

(2015) IEEE Transactions on Geoscience and Remote Sensing, pp. 3772-3790, July 2015.

DOI: 10.1109/TGRS.2014.2383440 - DOCUMENT TYPE: Article