Postdoctoral research position in hyperspectral image classification

A postdoctoral research position is available at the Institute for Astronomy, Astrophysics, Space Applications and Remote Sensing (IAASARS) of the National Observatory of Athens (NOA). The position will be fully funded for 1.5 year by the Greek General Sectretariat for Research and Technology in the framework of the program ΑΡΙΣΤΕΙΑ (project HSI-MARS). Expected starting date is October 15, 2013.

Hyperspectral imaging is an emerging technology that has gained considerable research interest in recent years. It finds numerous applications in various disciplines such as remote sensing, biotechnology, medical sciences, space research, archeological research, geology and mineral exploration, to name but a few. In the project the successful candidate is expected to develop classification algorithms for hypespectral images. The algorithms will be applied and tested for mineral exploration and thematic mapping of specific areas on the surface of the planet Mars. The performance of the algorithms will be evaluated on real hyperspectral data received by the OMEGA instrument on-board ESA's Mars Express Satellite.

Qualifications
Prospective candidates should possess a recent Ph.D. in engineering or computer science with emphasis on signal and image processing. A strong background on compressive sensing, Bayesian theory and statistical inference methods is required. The candidates should also have a good record of publications in refereed journals and conferences. Programming skills in MATLAB and/or C/C++ are desirable.

To apply
To apply, please send a CV (in PDF format) including a list of publications and at least three names of references to Dr. Athanasios Rontogiannis at tronto@noa.gr. Consideration of applications will take place from August 1, 2013 to August 31, 2013.