

PhD/postgraduate position in signal/image processing

A PhD/postgraduate 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 2-2.5 years by the Greek General Secretariat for Research and Technology in the framework of the program APIΣTEIA. The successful candidate will be employed in a research project dealing with hyperspectral image processing.

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 and utilize signal processing algorithms for hyperspectral 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 B.Sc./diploma degree in electrical engineering, or computer engineering, or computer science or applied mathematics or a related field and a strong background on signal/image processing and statistics. A Masters degree on these subjects is desirable. Programming skills in MATLAB and/or C/C++ are required.

To apply

To apply, please send a CV (in PDF format) and two letters of recommendation directly to Dr. Athanasios Rontogiannis at tronto@noa.gr. Consideration of applications will take place from March 4, 2013 to April 10, 2013.



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