

Doctoral proposals

(Expressions of Interest)

IMAGE PROCESSING AND ANALYSIS IN BIOLOGY AND MEDICINE

(INEB – Biomedical Engineering Institute, Porto, Portugal)

The Biomedical Imaging and Vision Computing Group from INEB is organising a list of candidates to submit PhD grant proposals to the National Science Foundation grant program (<http://www.fct.mctes.pt/bolsas/concursos/>). This program is open since May 21, and has two deadlines: June 20 and September 17.

The research is to be carried out at INEB – Biomedical Engineering Institute (<http://www.ineb.up.pt>) in the Biomedical Imaging and Computer Vision Group, in the following projects:

IMAGE AND VISION COMPUTING

- Image analysis for automated retinal screening
- Content-based brain image segmentation and retrieval.
- 3D surface imaging for biomedical engineering applications.
- Perception of biological motion: integrating psychophysics, neurophysiology and computational modelling.

GRID COMPUTING

- Transparent large medical image dataset storage and distribution for processing in grid environments from geographically dispersed locations.
- GRID middleware-level services to support problem solving environments for biomedical applications.

Candidates must have an Undergraduate degree or Master degree in relevant areas, as Electrical and Computer Engineering, Informatics Engineering, Computer Science, Biomedical Engineering or related degrees.

Candidates must send a motivation letter identifying the project(s) they are interested in, and curriculum vitae preferably by email to: campilho@fe.up.pt or by mail to:

INEB – Instituto de Engenharia Biomédica

Expression of Interest IPABM_01_2007

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Deadline for submission of Expressions of Interest: **7th September 2007**

If you require further information, please contact Prof. Aurélio Campilho (campilho@fe.up.pt, <http://www.fe.up.pt/~campilho>).