

Call for Applications at DEIS-University of Bologna - Italy

The Department of Electronics, Computer Science and Systems (DEIS) of University of Bologna offers **three** post-doctoral fellowships for advanced R&D and co-operation activities within the research project "DEPICT - a DEis Project for ICT assisted living".

DEPICT is a highly multi-disciplinary project focused on the **user-centric design of novel man-machine interaction paradigms for enhancing health, independence, and well-being in an ICT-enabled assisted living, or ambient assisted living (AAL) scenario.**

AAL refers to intelligent systems of assistance for a better, healthier and safer life in the preferred living environment and covers concepts, products and services that interlink and improve new technologies and the social environment. DEPICT targets three major functional subcomponents which, in turn, map into three highly interconnected research tracks:

- A) Sustainable, smart, and predictive sensing of multisystemic physiological variables, environmental and contextual signals; (**required skills:** *biomedical signal processing; embedded systems design*)
- B) Integrated hard and soft reasoning technologies for estimation, prediction, control, and self-learning; (**required skills:** *a strong background in Artificial Intelligence*)
- C) Minimally obtrusive, versatile (indoor/outdoor) cognitive and companion robots (**required skills:** *control theory, mechatronic design, robot control, robust control*)

More information about the topics can be found at the URL <http://depict.deis.unibo.it>

Selection schedule

Application deadline: **February 15, 2011.**

Ranking List of eligible candidates published on **February 25, 2011**

Interview (videoconference for candidates living abroad): **March 7, 2011**

Admission Requirements

Applicants, with no restriction on nationality, must hold a doctoral degree or an admission certificate to the final doctoral degree examination.

Positions and grants

3 positions lasting two years (grant: € **16,138.00** per year)

Start date: **April 1, 2011 (May 1, optional)**

Information

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