

Subject:

[Imageworld] PhD student position in Deep Learning, Computer Vision, and Augmented Reality

From:

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Date:

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The position is fully funded through the project with Siemens Corporate Technology Munich (**Dr. Slobodan Ilic**) for 3 years and is available immediately. Students with completed M.Sc. with strong programming and mathematical background are invited to apply.

The student will develop 3D model-based object detection and tracking methods able to run on mobile devices including mobile AR platforms such as the HoloLens. The main challenge is that the objects of interest are provided in forms of CAD models, mostly without texture information, and only RGB images are available for detection. Prior access to real data for training is also limited. Methods based on Deep Learning will be investigated, but the thesis will not be only limited to them.

Strong mathematical background and knowledge of programming languages C++/Python and software tools (e.g., Matlab) is required. Above all, the applicants must be self-motivated to learn quickly and work effectively on challenging research problems. For a description of recent research activities carried out by Prof. Lepetit, please visit

<http://www.labri.fr/perso/vlep> and

<https://www.tugraz.at/institut>.

Application process: Please send your CV in attachment [here](#). Please describe briefly your background and research interests in the e-mail.