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* OBERSEMINAR BILDVERARBEITUNG COMPUTERSEHEN UND COMPUTERGRAPHIK *
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Albert-Ludwigs-Universität Freiburg
Institut für Informatik
Prof. Dr. Thomas Brox
Prof. Dr. Matthias Teschner

Am Donnerstag, 17.10.19, 14.00 hst berichtet **Usman Ahmed** über das Ergebnis seiner Masterarbeit:

“Synthetic to Real Image to Image Translation for 6D Pose Estimation”

Abstract:

A major problem in industry especially when dealing with image data is unavailability of ground truth. To train deep learning models, we require annotated images. Manually annotating images is a time consuming and expensive process. An easier but naive solution is to use CG-rendered images to train the model as they are easy to annotate. However, the model trained on these synthetic images does not perform well in real world scenarios. To address this problem, we suggest an approach to transform synthetic images to real images using generative models. These generated real images can then be used to train further models which in our case are object instance segmentation and pose estimation. The experimental results on different datasets demonstrate that the proposed method shows promising results.

Zeit: Thursday 17.10.19, 14:00 hst
Ort: Geb. 52, 01-33

Interessenten sind herzlich eingeladen. Weitere Informationen bei:
Prof. Dr.-Ing. Thomas Brox, Tel: 0761/203-8261
Email: brox@informatik.uni-freiburg.de
<http://lmb.informatik.uni-freiburg.de/lectures/oberseminar/>