

Fachbereich Computerwissenschaften

EINLADUNG

zum Gastvortrag am

Donnerstag, 17. Jänner 2013,

16:00 Uhr, T01

Institutsgebäude Jakob-Haringer-Str. 2, Itzling

von

Mag. Dipl.-Ing. Dr. techn. Margrit Gelautz

Fakultät für Informatik, TU Wien

zum Thema:

„3D Film/TV – Research and Challenges“

Abstract

In this talk we address the topic of 3D scene reconstruction from stereo views in the context of 3D film/TV applications. After an introduction into the principles of stereo vision, we present some selected research topics that arise when processing original film material for high-quality viewing on different types of 3D displays. In particular, we show some recent research results in the field of stereo analysis and demonstrate their application for glass-free 3D viewing. Furthermore, we address the development and evaluation of image matting techniques for high-precision object segmentation.