

Fachbereich Computerwissenschaften

EINLADUNG

zum Gastvortrag am

Mittwoch, 11. Juli 2012,

16:30 Uhr, T02

Institutsgebäude Jakob-Haringer-Str. 2, Itzling

von

Florent Autrusseau

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zum Thema:

“Subjective quality assessment of watermarked images/videos”

Abstract:

Among the different requirements expected from digital watermarking methods, in the IRCCyN lab we are mostly interested in the trade-off between invisibility and robustness.

There are several means to achieve perceptual invisibility on watermarked images, we will focus here on two distinct ways. In our recent works, we either used Objective Quality Metrics in order to set a target (Objective) quality on the marked images, or we used JND masks to ensure the watermark invisibility. Either way, subjective experiments are needed in order to collect « ground truth » datasets from human observers.

In this talk I will first present our subjective setup, and the various experiments we commonly conduct either for digital watermarking or for image processing in a broader sense. I will discuss the various ways to analyze and exploit the subjective data, and then show some of our recent results.