

A New Generation of Pirates

The increasing storage and multimedia capabilities of smart phones have boosted the use of these devices as primary mobile music players. Often one is interested in extending the personal collection by "good" music. Discovering new music fitting the personal taste is a difficult task which is often tackled by cumbersome manual sharing.

This thesis tries to address this problem by introducing a paradigm in music file sharing: opportunistic ad-hoc file sharing.

The basic idea is to use the music stored on the smart phone of a person to characterize her music taste. This taste profile is used for automated sharing. The goal of this thesis is to develop and test different sharing algorithms using data from a large (already existing) data set in order to determine an algorithm that efficiently enriches the music collection of users with songs they like.

If you are interested in distributed algorithms, file sharing techniques, or just are a cool and creative person, write us an email or come by our office to discuss details of the project.

Required Skills: Good programming skills (Java), Experience with large data sets is advantageous

Coordinator:

- Barbara Keller: barkelle@tik.ee.ethz.ch, Office ETZ G61.2
- Samuel Welten: swelten@tik.ee.ethz.ch, Office ETZ G61.4

