# Research of Intelligent Music Information Processing Systems
## Associate Professor  Masaki Oono

Figure 1　Medley generation system

From the point of view of engineering, my research is focused on music information processing to search music efficiently, to manage music easily, and to enjoy music more and more.

## (1) Music information retrieval system based on audio fingerprint

An audio fingerprint is condensed digital summary, deterministically generated from an audio signal that can be used to identify and audio sample or quickly locate similar items in an audio database. We research an algorithm to extract audio fingerprint and to retrieval music efficiently.

## (2) Audio synthesis system for music appreciation

We research audio synthesis techniques to listen music interactively. For example, medley generation system and music summarization system.

## (3) Structural analysis of music

We research signal processing techniques such as beat tracking system, chord recognition system, structural segmentation system.