

This Image Retrieval System use LIRE library and Java SE 1.8.

LIRE (Lucene Image Retrieval) is an open source library for content based image retrieval, which means you can search for images that look similar. The LIRE library a simple way to create a Lucene index of image features for content based image retrieval (CBIR).

LIRE use a HSV color histogram and ScalableColor, ColorLayout and EdgeHistogram descriptors from MPEG-7 standard.

This system is able to create an index of all images contained in folder. The user should process the input in command line:

```
java -jar MIR_P02.jar [image_data_base_path] [index_path] [query_file_path]
```

The path and the name of the folders and file must not contain spaces.

The result is the distance value and the path to the 10 most similar images.

This Image Retrieval System was developed by Maksym Yakymets and Yevhen Sharonov.