Arm semihosting

This folder contain a toolchain file and a couple of examples for building OpenCV based applications that can run in an [Arm semihosting](#) setup.

OpenCV can be compiled to target a semihosting platform as follows:

```
cmake ../opencv/ \
    -DCMAKE_TOOLCHAIN_FILE=../opencv/platforms/semihosting/aarch64-
semihosting.toolchain.cmake \
    -DSEMIHOSTING_TOOLCHAIN_PATH=/path/to/baremetal-toolchain/bin/ \
    -DBUILD_EXAMPLES=ON -GNinja
```

A barematel toolchain for targeting aarch64 semihosting can be found [here](#), under `aarch64-none-elf`.

The code of the examples in the `norm` and `histogram` folders can be executed with qemu in Linux userspace:

```
    qemu-aarch64 ./bin/example_semihosting_histogram
    qemu-aarch64 ./bin/example_semihosting_norm
```