

Course title: **Computer Image Processing**

Institute/Division: F-3, Institute of Computer Science

Course code: F34-CIP

Erasmus subject code: Informatics, Computer Science

Number of contact hours: 45 hours

Course duration: 1 semester

ECTS credits: 6

Course description: Python + OpenCV library, digital colour models, colour bit depth, raster image standards, geometrical and arithmetical transformations, histogram and operations, image binarization, segmentation, logical operations, image filtering, morphological operations, skeletonization, face detection and recognition

Literature: Basic literature on the image processing and Python

Course type: Laboratories and lectures

Assessment method: Attendance, tests, exam

Prerequisites: Fundamentals of programming

Primary target group: 4-th year computer science students

Lecturer: Michał Bereta, PhD

Contact person: Michał Bereta, PhD, eng., mbereta@pk.edu.pl

Deadline for application: 15th of January