In recent years, Convolutional Neural Networks (CNNs) have shown very impressive performance on numerous Computer Vision tasks. CNNs trained on classification using the ImageNet database have a very expressive feature space which can also be used for transferring the style of one image to another [1].

**Objective:**

Get familiar with the literature on transferring style using CNN features. The idea is to compute textural information of one image (the style) and to recombine it with the content of another image via a separate optimization procedure. This will be a playground for testing different optimization algorithms and image regularizers.

**Qualifications:**

- Student of Biomedical Engineering, Information and Computer Engineering, Computer Science or Software Engineering and Management
- Basic knowledge in computer vision, machine learning and optimization
- Basic programming experience in Matlab/python and/or C++

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**References**