**Principles of Development of Distributed & Parallel Systems**

# Project Definition

# Describe and Implement a Distributed application that suits well to Cloud Infrastructure. Its functionality must cover running at least five Instances, uses at least two S3 buckets storage, based on event processing with lambda functions, SQS management and possibly data base. Emphasize Pros and Cons of implementing this application on Cloud.

The application must implement **at least two** of following Distributed parallel algorithms: Snapshot, Wave, Dead Lock detection, Termination detection, Leader Election.

# Requirements

* Python program.
* Must be able running on AWS Cloud.
* Comments.
* Supply **readme.txt** file with explanation of all **settings** needed to run your application (including users, roles, groups, privileges, buckets, queues, instances and images used).