

The Lambda networking brings great expectations. High bandwidth for specific applications will become available on the wave of Lambdas. However, this may assume a kind of dynamic handling of optical connections which still needs to be proven. It is, therefore, important to identify different operating models and usage scenarios for optical networking technology under the network and grid layers. In this talk we address research which can be done ON, WITH and BECAUSE OF the availability of lambdas. Cees de Laat will explain the architecture of the dedicated research lambda from the NetherLight facility in Amsterdam to the StarLight facility in Chicago as well as early experiences using it.