

## **ThaiGrid : From infrastructure to services and beyond**

Putchong Uthayopas

Thai National Grid Center, SIPA, Thailand

Putchong\_ut@thaigrd.or.th

ThaiGrid is a national Grid initiative started since 2005. During the past 2 years (2006-2007), most of the focus has been on a few objectives. First, the building of the country wide grid infrastructure that span across the country. Second, the forming of grid community and oversee the expansion of the community. Third, the building of a grid human resource development infrastructure that addresses the industry's need in the future. Currently, most of the objectives are accomplished. For example, the grid infrastructure is now available nationwide, providing more than 1000 processors core and massive storage for researchers. The community of 14 institutes is now extended to 21 institutes, 20-30 research groups, 200-300 researchers, and a few thousands students. Most of the leading educational institutes are now providing one or more courses related to grid and parallel computing. Thus, more than 200 computer science and engineering graduate with basic grid concept are being produced annually. The next step is to move forward to build a better grid ecosystems that enable many services on top of the infrastructure. This presentation will discuss about the approach used, challenges and strategy being used to drive the building of grid ecosystem in Thailand. Finally, the status of the project will be presented with the future direction discussed.