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CCT Colloquium Series

Advanced Services as the Element of the Research Network Infrastructure**Cezary Mazurek, Poznan Supercomputing and Networking Center**

Network Services Department Manager

Johnston Hall 338

October 17, 2008 - 11:30 am

Abstract:

The presentation of Poznan Supercomputing and Networking Center (PSNC) will show the transformation from new network services developed within R&D projects into a service platform. The Polish Optical Internet Programme (PIONIER) which was realized between 2000 and 2006 provided the emergent optical networking infrastructure for Polish scientific community. Together with this fabric infrastructure there were also different advanced networking services designed and developed through additional funding mechanisms from internal, national as well as European R&D projects. PSNC is going to present their experience and some examples of services and tools in areas such as: new media, digital libraries, telemedicine and education. They will present tools which have been developed and successfully deployed as operational network services as well as projects which are under development and will provide through research network, new advanced services for scientists, medical doctors and internet users. Presented products which have been already deployed are: Content Delivery System for National iTVP Platform and dLibra Digital Library Framework. Additionally they will also present Netradio project, teleconsultancy system for trauma surgery and services for education. Through the realization of those emergent services within the research network, PSNC is going to embed some of them as the solid components of the research infrastructure. To achieve this goal a new concept of a PLATON platform has been introduced with following five initial services: videoconferencing, HD interactive television, campus computations, educational roaming (Eduroam) and network archiving.

Speaker's Bio:

Cezary Mazurek, Ph.D., is the Head of the Network Services Department at PSNC. He received his PhD in Computer Science from Poznań University of Technology in 2004. His research interests include a wide variety of advanced network services including digital multimedia libraries, streaming technologies, distance learning and portal solutions. He has been the manager of numerous projects in those fields coordinated by PSNC, including the Multimedia City Guide, Polish Educational Portal, Digital Library Framework: dLibra and interactive TV platform. Currently he also coordinates PSNC's participation in European projects: Qualipso, EuropeanaLocal, ENRICH and HDVIPER. He is an author or co-author of over 50 papers in professional journals and conference proceedings.

