NCSA COLLOQUIUM

Thursday, May 21, 2015
11:00-12:00p
NCSA Auditorium (Room 1122), 1205 W. Clark Street

Professor Cees de Laat
University of Amsterdam

Title: "Smart Cyber Infrastructure for Big Data Processing"

Abstract:
The landscape of cyberinfrastructure for research is rapidly changing. There is a move towards virtualized and programmable infrastructure. The cloud paradigm enables applications to use computing resources at different places and optimize workflows in either bringing computing to the data or the other way around. Programmable networks allow networks to be utilized in unprecedented ways to create application specific Internets. This talk presents the latest developments in the Research and Education Networks to support Big Data sciences.

Bio:
Professor de Laat chairs the System and Network Engineering (SNE) laboratory in the Informatics Institute of the Faculty of Science at University of Amsterdam. Research in his group ranges from optical and switched networking and workflows for processing of big data in PetaScale e-Science applications, Semantic Web to describe e-infrastructure resources, information complexity, Authorization architectures and Systems Security & privacy of information in distributed environments. Prof. de Laat serves on the Lawrence Berkeley Laboratory Policy Board on matters regarding ESnet, is co-founder of the Global Lambda Integrated Facility (GLIF), founder of GRIDforum.nl and founding member of CineGrid.org. His group is/was part of EU projects SWITCH, CYCLONE, ENVRIplus and ENVRI, EuroBrazil, Geysers, NOVI, NEXTGRID, EGEE, and others. He is a member of the Advisory Board Internet Society Netherlands and Scientific technical advisory board of SURF Netherlands. A snapshot of his scientific career is available here: http://delaat.net/.