

DEPARTMENT OF COMPUTER SCIENCE
University of Houston
FALL SEMINAR 2011

WHEN: FRIDAY, DECEMBER 2, 2011
WHERE: PGH 232
TIME: 10:00 AM

SPEAKER: Kanai Pathak, Schlumberger WesternGeco

Host: Dr. Shishir Shah

TITLE: Schlumberger Software Landscape and Diversity

ABSTRACT:

It has always impressed me that Schlumberger, a service company in the Oil & Gas sector, has continued investing so much in software. Schlumberger's commitment to engineering and research in software has created hundreds of software systems over the years to support its business, created new products and new services, and is enriching its employees work environment.

In this presentation we shall traverse through the vastness of the software landscape. We'll look at some example software for engineering designs, analysis, real-time acquisitions, production generation, interpretation, modeling and visualization. We'll also touch on areas such as high performance computing, cloud computing, knowledge management and social networking. We will see how well over 100 million lines of code can bring software development challenges in area of architectures, programming, technologies, platforms and business process orchestrations.

BIO:

Kanai Pathak is an IT professional at Schlumberger. In his current role he manages high performance computing centers for Schlumberger/WesternGeco seismic processing in Houston, London, Cairo, and Kuala Lumpur. His responsibility includes managing and operating HPC data centers, keeping the hardware and infrastructure technology up-to-date for running massively parallel software systems, and providing IT support to oilfield experts.

In his previous assignment, he was an architect for Schlumberger field operations systems. His responsibility included business process modeling, architecture and technical consulting for all systems related to the field operations for the major business units of Schlumberger. Kanai has vast experience in both IT and engineering domains software. He has been an architect since 2000 on some of the largest software projects, such as real-time acquisition systems. Kanai has been with Schlumberger since 1991. Kanai has an M.S. in Computer Science and B.E. in Mechanical Engineering.