THE CENTER FOR ADVANCED COMPUTER STUDIES

at

the University of Louisiana at Lafayette

Lafayette, Louisiana

Proudly announces a presentation

Dr. Rajeev Agrawal

Computer Scientist
Information Technology Laboratory
US Army Engineer Research and Development Center
Vicksburg, MS

will give a presentation entitled

Custom Visualization of Scientific Phenomenon

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Abstract

The mission of the Department of Defense (DoD) High Performance Computing Modernization Program (HPCMP) is to accelerate technology development and transition into superior defense capabilities through the strategic application of high performance computing, networking and computational expertise. There are five DoD Supercomputing Resource Centers (DSRCs) and three Affiliated Resource Centers (ARCs). Each center enables scientific productivity for HPCMP customers using a potent combination of synchronized resource, workload, and enterprise system management services.

In this talk, we will discuss the capabilities of ERDC DSRC centers and describe some of the DoD projects that used HPC systems. We will also show the simulation results of these projects, which were visualized using the state of the art visualization and analysis tools.

We will also discuss the various opportunities of collaboration in Information Technology Lab's lines of efforts in HPC, Systems Engineering, Computational Science & Engineering and Scientific Computing.

DATE: FRIDAY, MARCH 2, 2018
TIME: 11:00 A.M. - 12:00 NOON
LOCATION: OLVR, ROOM 112

Biography

Dr. Rajeev Agrawal is a Computer Scientist at Information Technology Laboratory in Engineer Research and Development Center under the U.S. Army Corps of Engineers. Prior to joining, ITL, he was an associate professor at North Carolina A&T State University. Currently, he is working on the Cyber Situational Awareness Project (HACSAW) to analyze the cyber security data captured across Defense Research and Engineering Network (DREN). He is also a member of HPC-enabled Deep Learning project team. He has recently formed a Cyber Data Science research group to develop Data Science ecosystem for cyber security data analytics to protect and defend DoD cyber infrastructure. Dr. Agrawal received his Ph.D. in Computer Science with minor in Engineering from Wayne State University in 2009.

He has published more than 70 technical papers and book chapters in refereed conferences and journals in these areas. His paper, "Image Clustering Using Multimodal Keywords," won the Best Paper award in the International Conference on Semantics and Digital Media Technology (SAMT 2006) in 2006. He was selected a Data Science Fellow by the National Consortium of Data Science (NCDS) in 2014.