Smoky Mountains Computational Sciences and Engineering Conference

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Presentation Title:
Domain agnostic tools for multi-scale/integrative sensor data analysis

Abstract:
In my presentation, I will outline ideas for possible cross-cutting, domain agnostic methods to support integration and analysis of complementary datasets and multi-resolution data analysis and data management. These applications, along with many others, share the need to assemble spatio-temporal, and to identify, extract and classify salient features. I will describe prototype tools motivated by requirements associated with microscopy, oil reservoir management and satellite data applications.

Bio:

Dr. Joel Saltz is the director of the Center for Comprehensive Informatics, and professor and chair of the Department of Biomedical Informatics at Emory University. He is an endowed Georgia Research Alliance Eminent Scholar in biomedical informatics, Georgia Cancer Coalition Distinguished

Cancer Scholar, and a Fellow of the American College of Medical Informatics. Dr. Saltz research encompasses both computer science and applications-driven research in large scale spatio-temporal data analytics. He has held faculty positions in Computer Science, Pathology and Biomedical Informatics at Yale, University of Maryland College Park, Johns Hopkins, and Ohio State. Prior to coming to Emory, he was founding department chair of Biomedical Informatics at Ohio State University. He earned his MD and PhD degrees in computer science from Duke.