Stony Brook University

Biomedical Informatics Department

presents

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The Planet of the Apps:
Web Computing for Scalable Research Informatics

Thursday, September 10, 2015   4 - 5 PM

Health Sciences Center, Level 2   Lecture Hall 3

Summary:

The emergence of the Web Platform as the dominant vehicle for consumer informatics has created opportunities for disseminating research applications at a truly global scale, and in a manner that a) persists in time, b) requires minimal maintenance, c) delivers reproducible analyses, and d) is much safer than the conventional model where the data leaves protected environments. There is, as always, a price to pay: many algorithms and the underlying mathematical models require extensive re-identification. The rewards, however, are substantial, particularly with the advancement of Open Data resources (for a peek, see http://bit.ly/pqiSuffolk). This presentation will illustrate the opportunities and challenges of this approach with examples from ongoing research projects in genomics, public health, and image analysis.

Professor Almeida joined SBU's Biomedical Informatics Dept in January this year as Professor and Chief Technology Officer. Prior to that he was Professor and inaugural Director of the Division of Pathology Informatics at the University of Alabama at Birmingham (2011-2015), Distinguished Professor of Bioinformatics at the Univ. Texas MDAnderson Cancer Center (2005-2010) and faculty at Medical University of South Carolina in the Dept. of Biostatistics (2000-2004). His current research projects focus on physician and patient-centric architectures, such as development of web Apps and the use of wearable devices, that contextualize reference Big Data, including The Cancer Genome Atlas

Questions? Please call the Biomedical Informatics Department at 631-444-8459.