THE CENTER FOR ADVANCED COMPUTER STUDIES

at

the University of Louisiana at Lafayette

Lafayette, Louisiana

Proudly announces a presentation

Mr. Brad Landreneau
Computer Scientist
Geospatial Computing Section
Naval Research Laboratory

and

Dr. Chris J. Michael
Computer Engineer
Naval Research Laboratory

will give a presentation entitled

Automated Visual Flight Rule Mapping

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Abstract

Automated map rendering software is being developed to allow pilots access to in flight "moving maps" that accurately depict physical maps while maintaining ease of use. Challenges arise in both quickly and accurately rendering map symbology because space, readability, and rendering time issues often arise. We approach these problems by algorithm optimization, "whitespace" search methods, and preprocessing data.

This presentation will consist of a preview of the Naval Research Laboratory followed by an in depth discussion of the above topics. Concluding the presentation, Dr. Chris J. Michael will give an overview of his groups recent research endeavors relating to applying machine learning to problems specific to the Department of Defense.

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

Biography

Mr. Brad Landreneau graduated from ULL with a BS in computer science in May of 2017. Brad was a research assistant in Dr. Amini's HPCC lab and began working as a computer scientist at the Naval Research Laboratory's Geospatial Computing Section in August of 2017. His primary project is developing automated map rendering software used by helicopter and airplane pilots.

Dr. Chris J. Michael is a computer engineer with the Naval Research Laboratory located in Stennis Space Center, Mississippi. His research interests include human-attuned machine learning, spatiotemporal graph processing, and special-purpose computer architecture.

Please post and/or circulate. **January 9, 2018**