

Welcome to the 21st IEEE NPSS Real Time Conference (RT2018)

David Abbott – Conference Chair

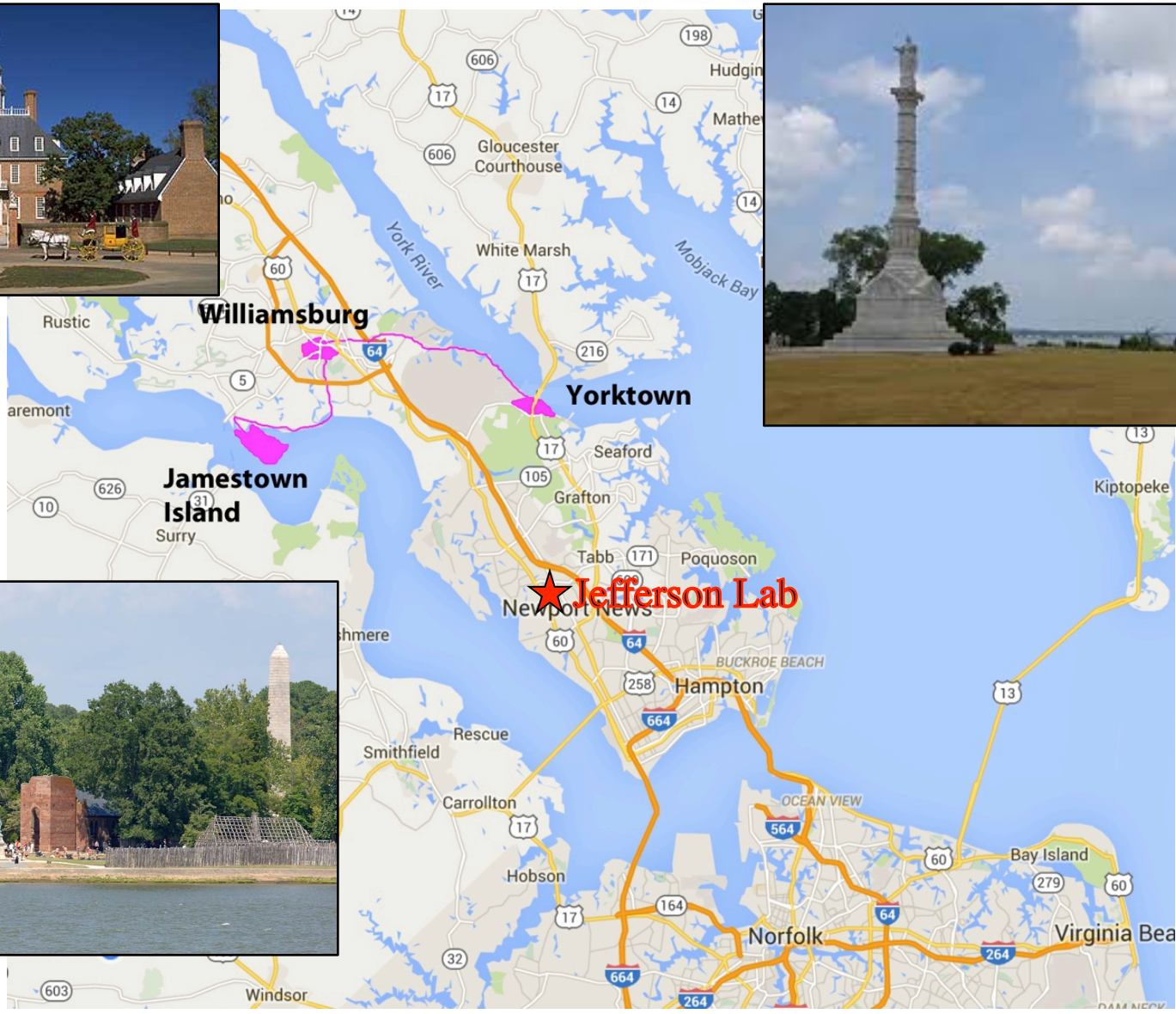
June 9-15, 2018

Colonial Williamsburg, Virginia

hosted by

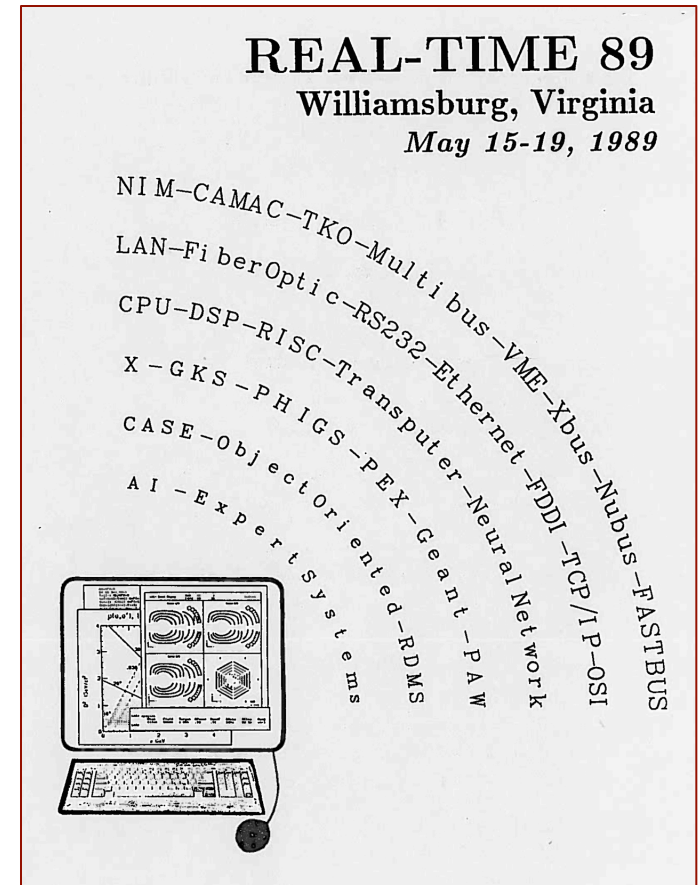
Thomas Jefferson National Accelerator Facility

“Historic Triangle”



Welcome to Williamsburg Virginia

- The 6th Real Time Conference was held 29 years ago (1989). What were we talking about then...
- Short courses on
 - Expert Systems
 - FASTBUS Standard
- Rene Brun (CERN) won the CANPS award for contributions in the development of GEANT
- ALEPH at LEP (CERN) was running (500 MB/sec off the detectors)
- DSPs, Neural Nets, 68020 processors, VAX Mainframes, Ethernet-based DAQ
- PROMs and PLDs - but No FPGAs yet!!



This week at a glance

- Pre-conference programs (μ TCA Workshop, High Level Synthesis)
 - 60+ attendees and exhibitors
- Over 200 abstract submissions
 - 58 orals, 93 mini-orals, 144 posters
- Industrial Program
 - Vendor booths and the Demonstration Lab
- Social Programs
 - **Monday:** Welcome Reception
 - **Tuesday:** Women In Engineering meeting/discussion
 - **Wednesday:** Excursion to Jamestown Island
 - **Thursday:** Conference Dinner and Awards presentations
 - **Friday:** Jefferson Lab Tour

Introductions

- **Computer Applications in Nuclear and Plasma Sciences (CANPS)**
 - Technical committee of the IEEE NPSS Society responsible for promoting and organizing the Real Time Conference
 - Some 18 members are attending RT2018
- **Stefan Ritt** – NPSS President , CANPS Member & Former Chair
 - Will speak briefly about IEEE and NPSS
- **Martin Grossmann** – CANPS Chair , RT2018 Scientific Program Chair
 - Will say a few words about Indico and your presentation organization.
- **Sascha Schmeling** – Senior Editor with IEEE TNS , CANPS member
 - Will give a short overview of publication instructions for the Conference record and TNS.