



## An ERA Research Presentation

sponsored by The National Archives Assembly's  
Technology Applications Committee and  
The Electronic Records Archives (ERA)  
Program Management Office  
1:00-2:00 PM, Archives II, Lecture Room D

Wednesday, June 11, 2008

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### Robust Tools for Archiving and Preserving Digital Data

**Presenters: Dr. Joseph JaJa, Mike Smorul, Mike McGann, University of Maryland Institute for Advanced Computer Studies (UMIACS), University of Maryland, College Park**

The presenters return to NARA to providing a follow up to the their talk given here in July 2006. They will discuss their current research on the technology tool called the Producer-Archive Workflow Network, also called, "PAWN," a software tool that can be used to archive and preserve digital data.

The presentation will cover:

- **A Flexible/Scalable Platform:** PAWN provides a flexible and scalable platform for creating and securely ingesting distributed digital information into an archive while allowing flexible interactions between the producer and the archive.
- **What's New:** Updating their presentation given in July 2006, the speakers will focus on the latest improvements to PAWN, which enable customized processing workflows, introducing the ACE (Auditing Control Environment) that continually audits the content of the archive to ensure its integrity over the long term.
- **The State of Replication:** They will also introduce and demonstrate the *Replication Monitoring Interface*, which tracks and audits the state of replication for various collections in NARA's ERA Research project, the *Transcontinental Persistent Archive Prototype* (TPAP).

All PAWN tools are platform independent and are based on open standards and web technologies.

This research represents a continued collaboration between the University of Maryland and the National Archives and Records Administration's (NARA) Electronic Records Archives' (ERA) Research Program. The ERA Research Project, the *Transcontinental Persistent Archive Prototype* (TPAP), was developed by a NARA partnership with the Data Intensive Cyber Environments (DICE) Group at the University of California, San Diego (UCSD) and the University of Maryland Institute for Advanced Computer Studies (UMIACS).

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**All interested digital preservation communities are encouraged to attend!**

For more information about this event, please contact Rita Cacas (x71564) or Matt Eidson (301-778-1511)  
Visit the ERA Research web site at: [www.archives.gov/research/](http://www.archives.gov/research/)