

From the Editors

Yet again we were gratified by the response to the IJDE Summer 2004 Issue. We thank you for that and for your many positive and encouraging comments regarding IJDE.

The three articles in this issue discuss the need for standards and certification, describe a formal model for digital forensics, and examine the new Linux kernel with regard to forensic imaging.

The Meyers and Rogers paper, *Computer Forensics: The Need for Standardization and Certification*, presents an overview of some of the more serious issues in the maturing discipline of computer forensics. It explores three areas within the legal system where computer forensics is most likely to be questioned: search and seizure, expert qualifications, and analysis and preservation. The paper examines the need for standardization and certification by analyzing federal and state court cases.

In *A Formalization of Digital Forensics*, Leigland and Krings propose a mathematical model for analyzing and constructing forensic procedures. The model highlights definitions and updating of forensic procedures, as well as portability across different platforms. The forensic model is applied in a real-world scenario focusing on Linux and OS X.

Finally, Kornblum discusses hard drive imaging using Linux dd and shows that the 2.6 kernel is forensically sound in *The Linux Kernel and the Forensic Acquisition of Hard Disks with an Odd Number of Sectors*.

We are actively soliciting articles for the Winter 2005 issue. Articles must be submitted by January 31st in order to provide time for the peer review process.

Gary R. Gordon
Editor
Utica College

John J. Leeson
Editor
University of Central Florida