An exploratory

study of the evolution of communicated information about the execution of large software

systems

Characterizing logging practices in open-source software

The

game of twenty questions: Do you know where to log

Simple testing can prevent most critical failures: An analysis of production failures in distributed data-intensive systems

Striking a new balance

between program instrumentation and debugging time

Lightweight control-flow instrumentation and

postmortem analysis in support of debugging

Studying the relationship

between logging characteristics and the code quality of platform soft-

ware