

## PDF Tutorial Short Course Description

### A. Course Title

Introduction to the Insides of PDF

### B. Description

PDF files are composed from a set of "objects" that can reference each other and can occur within the PDF file in any order. These objects, similar in use to XML's "elements", are used to create the structure of a sequence of pages to be imaged, together with the material that makes that sequence of pages into a true document. The objects are also used to construct a table of contents, on-page annotations, fill-in forms fields, etc.

### C. Benefits/Learning Objectives

- Be able to judge for oneself whether PDF will satisfy your archiving objectives
- Explain to others how PDF files are organized at the highest level
- Be able to demonstrate how PDF file format impacts performance in viewing
- Ability to examine a PDF using a text editor and understand the representation
- To include an embedded file inside of a PDF and understand the mechanism
- Be able to accurately position PDF as a de facto open standard

### D. Intended Audience

- People that are considering saving large volumes of PDF files as an archive.
- People contributing to the activities of the PDF Subset for Archiving (PDF/A).
- Anyone curious as to what, exactly, is inside of a PDF file. No particular training or skill is required to understand this talk.

### E. Biography

Dr. James King, a Principal Scientist at Adobe Systems Incorporated, is one of the people responsible for the vision, architecture, design, prototyping, and ultimate development of new products and new features for existing Adobe products.

Prior to joining Adobe Systems, Dr. King was manager of I/O Systems Laboratory (IOSL) at the IBM Almaden Research Center where he was responsible for guiding research projects dealing with advanced printers, scanners, and displays.