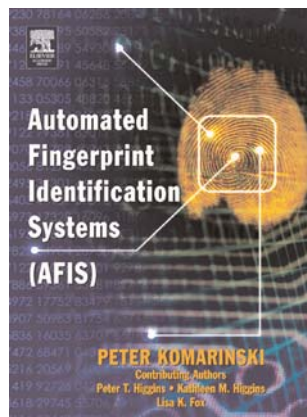


Automated Fingerprint Identification Systems (AFIS)



Peter Komarinski Contributing Authors: Peter T. Higgins • Kathleen M. Higgins • Lisa K. Fox



2005 • 0-12-418351-4

295pp • Hardback • \$59.95/£37.99

Reviews the AFIS identification process from beginning to end!

- ✓ Details the entire process of fingerprint gathering and identity verification
- ✓ Discusses the history and future of AFIS, including the impact of national standards in developing multi-agency cooperation/interoperability (U.S.)
- ✓ Covers AFIS identification technology in both forensic and civil applications including the proposed use of fingerprinting of selected visitors in the US-VISIT program
- ✓ Reviews management strategies to outline AFIS systems resources and increase interoperability

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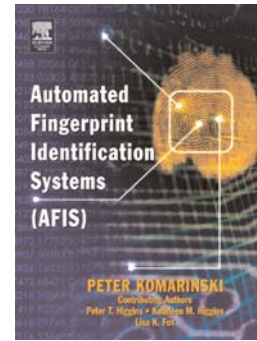
Introduction
History of Automated Fingerprint Identification System
Fingerprints Are Unique
AFIS Summary – How The System Works
From Print To Identification; Current Issues
Buying an AFIS System: The Basic Documents Needed Standards And Interoperability
Contractual Issues Regarding the Purchase of an Automated Fingerprint Identification System
Case Study – Diamonds In The Rough: Increasing The Number Of Latent Print Identifications
Appendices: Glossary; International Association For Identification – 1998 IAI AFIS Committee Report on Cross-Jurisdictional Use Of AFIS Systems
NCIP Funding, 1995-2003

This easy-to-understand book explains automated fingerprint identification systems (AFIS) and presents the process of identification from the initial capture of a set of finger images the production of a rap sheet. The authors explain the examination process for latent prints and how they are identified with these systems. While the primary focus is automated fingerprint identifications, the book also explores the emergence and use of fingerprints in other biometric systems as well as the known limitations and advantages of these systems.

Automated Fingerprint Identification Systems (AFIS) covers the whole range of topics concerning AFIS systems including hotly debated issues like why identifications are made on one database that are not made on another database, and why there are missed identifications. In order to answer these questions and others like them, the author employs a SWOT analysis, which examines the Strengths, Weaknesses, Opportunities, and Threats of AFIS in addition to suggesting improvements to the overall number of positive identifications. The book goes beyond process to discuss interoperability, management strategies for large databases, contract development, lights-out verification, and other issues which impact automated identifications. The book will appeal to criminal justice policy makers, managers, administrators and students. There are also two case studies included that address the Identification Rate for latent print identifications as well as the improved uses of the Unsolved Latent Print file.

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