



# Automatic Fingerprint Recognition Systems

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## Automatic Fingerprint Recognition Systems From Springer

An authoritative survey of intelligent fingerprint-recognition concepts, technology, and systems is given. Editors and contributors are the leading researchers and applied R&D developers of this personal identification (biometric security) topic and technology. Biometrics and pattern recognition researchers and professionals will find the book an indispensable resource for current knowledge and technology in the field.

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## **Editorial Review**

From the Back Cover

Contrary to perhaps common belief, even after several decades of research, automatic fingerprint recognition is not a solved problem. New fingerprint sensing technologies, algorithmic advances, and abundant computing power continue to drive advances in this area and to open up new realms of possibility.

Automatic Fingerprint Recognition Systems thoroughly surveys and examines advances in fingerprint sensing devices and in algorithms for fingerprint image analysis and matching. After an opening chapter on the history of fingerprint recognition, the book moves into new technologies for inkless sensors, fingerprint image analysis techniques, including fingerprint video analysis, filtering and classification and other areas aimed at fully automatic operation. The book also addresses large-scale fingerprint identification system design, as well as standards.

Topics and Features:

- \* Covers numerous areas related to modern automatic fingerprint recognition, not just its history or forensic analysis
- \* Examines advances in fingerprint sensing and fingerprint image filtering and preprocessing
- \* Describes fingerprint feature abstraction, as well as compression and decompression of fingerprint images
- \* Develops ideas related to large-scale, large-database fingerprint matching
- \* Assesses new areas such as security in fingerprint matching and the upcoming common criterion protection profile

This authoritative survey provides a unique reference for automatic fingerprint recognition concepts, technologies, and systems. Its editors and contributors are leading researchers and applied R&D developers of this technology. Biometrics and pattern recognition researchers, security professionals, and systems developers will find the work an indispensable resource for current knowledge and technology.

## **Users Review**

**From reader reviews:**

**Elvis Quinlan:**

This Automatic Fingerprint Recognition Systems is completely new way for you who has interest to look for some information as it relief your hunger of information. Getting deeper you on it getting knowledge more you know otherwise you who still having little bit of digest in reading this Automatic Fingerprint Recognition Systems can be the light food for you because the information inside this book is easy to get through anyone. These books build itself in the form and that is reachable by anyone, that's why I mean in the e-book web form. People who think that in reserve form make them feel drowsy even dizzy this book is the answer. So there is not any in reading a publication especially this one. You can find what you are looking for. It should be here for you. So , don't miss it! Just read this e-book kind for your better life in addition to knowledge.

**Candice Sharkey:**

In this era which is the greater man or woman or who has ability to do something more are more special than other. Do you want to become one among it? It is just simple solution to have that. What you should do is just spending your time not much but quite enough to enjoy a look at some books. On the list of books in the top checklist in your reading list will be Automatic Fingerprint Recognition Systems. This book and that is qualified as The Hungry Mountains can get you closer in becoming precious person. By looking up and review this e-book you can get many advantages.

**Carolyn Foley:**

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