

1. Record Nr.	UNINA9910709937103321
Titolo	Studies of one-to-one fingerprint matching with vendor SDK matchers // Craig Watson [and others]
Pubbl/distr/stampa	[Gaithersburg, MD] : , : U.S. Dept. of Commerce, National Institute of Standards and Technology, , [2005]
Descrizione fisica	1 online resource (17 pages) : illustrations
Collana	NISTIR ; ; 7221
Altri autori (Persone)	IndovinaM (Michael D.) MarshallKaren SnelickRobert WatsonC. I (Craig I.) WilsonCharles L. <1942->
Soggetti	Fingerprints - Identification - Automation - Evaluation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"April 22, 2005." Contributed record: Metadata reviewed, not verified. Some fields updated by batch processes. Title from page [1], viewed March 12, 2007.
Nota di bibliografia	Includes bibliographical references (page 17).
Sommario/riassunto	NIST has conducted testing of one-to-one SDK (Software Development Kit) based COTS (Commercial Off-The-Shelf) fingerprint matching systems to evaluate the accuracy of one-to-one matching used in the US-VISIT program. Fingerprint matching systems from eleven vendors not used in US-VISIT were also evaluated to insure that the accuracy of the matcher tested was comparable to the most accurate available COTS products. The SDK based matching application was tested on 20 different single finger data sets of varying difficulty. The average true accept rate (TAR) at a false accept rate (FAR) of 0.01% was better than 98% for the two most accurate systems while the worst TAR at a FAR of 0.01% was greater than 94%. The data sets used and the ranking of the systems are discussed in detail in the report. A copy of this report and appendices are available at http://fingerprint.nist.gov/SDK .

