10-2015

Professor Frank Breitinger's Full Bibliography

Frank Breitinger
University of New Haven, fbreitinger@newhaven.edu

Follow this and additional works at: http://digitalcommons.newhaven.edu/electricalcomputerengineering-facpubs

Part of the Computer Engineering Commons, Electrical and Computer Engineering Commons, Forensic Science and Technology Commons, and the Information Security Commons

Repository Citation
Breitinger, Frank, "Professor Frank Breitinger's Full Bibliography" (2015). Electrical & Computer Engineering and Computer Science Faculty Publications. 6.
http://digitalcommons.newhaven.edu/electricalcomputerengineering-facpubs/6
Frank Breitinger’s bibliography
See also his web site http://www.fbreitinger.de/


Book

Book Chapters & Journal Articles

2017


2016


2015

2014


Rathgeb, Christian; Breitinger, Frank; Busch, Christoph; Baier, Harald. On application of bloom filters to iris biometrics (Journal Article) Biometrics, IET, 3 (4), pp. 207-218, 2014, ISSN: 2047-4938.

Breitinger, Frank; Stivaktakis, Georgios; Roussev, Vassil


Breitinger, Frank; Roussev, Vassil

Automated evaluation of approximate matching algorithms on real data (Journal Article)

Breitinger, Frank; Baier, Harald; White, Douglas

On the database lookup problem of approximate matching (Journal Article)


2013
Breitinger, Frank; Stivaktakis, Georgios; Baier, Harald

FRASH: A Framework to Test Algorithms of Similarity Hashing (Journal Article)


Refereed Proceedings

2017
Clark, Devon R; Meffert, Christopher; Baggili, Ibrahim; Breitinger, Frank: DROP (DRone Open source Parser) your drone: Forensic analysis of the DJI Phantom III. In: Digital Investigation, 22, Supplement , pp. S3 - S14, 2017, ISSN: 1742-2876.


2016

2015
Rathgeb, Christian; Breitinger, Frank; Baier, Harald; Busch, Christoph
Towards Bloom Filter-based Indexing of Iris Biometric Data (Conference)
Biometrics (ICB), 2015 International Conference on, 2015, (Siew-Sngiem Best Poster Award).


Gupta, Vikas; Breitinger, Frank
How Cuckoo filter can improve existing approximate matching techniques (Conference)

Baggili, Ibrahim; Oduru, Jeff; Anthony, Kyle; Breitinger, Frank; McGee, Glenn
Watch what you wear: Preliminary forensic analysis of smart watches (Conference)

2014
Breitinger, Frank; Ziroff, Georg; Lange, Steffen; Baier, Harald
Similarity Hashing Based on Levenshtein Distances (Proceeding)
Breitinger, Frank; Winter, Christian; Yannikos, York; Fink, Tobias; Seefried, Michael

Using Approximate Matching to Reduce the Volume of Digital Data (Proceeding)


Breitinger, Frank; Liu, Huajian; Winter, Christian; Baier, Harald; Rybalchenko, Alexey; Steinebach, Martin

Towards a Process Model for Hash Functions in Digital Forensics (Proceeding)


2013

Breitinger, Frank; Baier, Harald

Similarity Preserving Hashing: Eligible Properties and a New Algorithm MRSH-v2 (Proceeding)


Rathgeb, Christian; Breitinger, Frank; Busch, Christoph.


Breitinger, Frank; Astebøl, Knut; Baier, Harald; Busch, Christoph

mvHash-B - A New Approach for Similarity Preserving Hashing (Proceeding)


Breitinger, Frank; Petrov, Kaloyan
Reducing the Time Required for Hashing Operations (Proceeding)


2012

Breitinger, Frank; Baier, Harald

Performance Issues About Context-Triggered Piecewise Hashing (Proceeding)


Breitinger, Frank; Baier, Harald; Beckingham, Jesse

Security and implementation analysis of the similarity digest sdhash (Proceeding)

First International Baltic Conference on Network Security & Forensics (NeSeFo), 2012.

(BibTeX)

Breitinger, Frank; Baier, Harald

Properties of a similarity preserving hash function and their realization in sdhash (Proceeding)


Breitinger, Frank; Baier, Harald

A fuzzy hashing approach based on random sequences and hamming distance (Proceeding)


2011

Baier, Harald; Breitinger, Frank

Security Aspects of Piecewise Hashing in Computer Forensics (Proceeding)

IT Security Incident Management and IT Forensics (IMF), 2011 Sixth International Conference on, pp. 21-36, 2011.
2010
Breitinger, Frank; Nickel, Claudia

User Survey on Phone Security and Usage (Proceeding)

Bromme, Arslan; Busch, Christoph (Ed.): BIOSIG, pp. 139-144, GI, 2010, ISBN: 978-3-88579-258-1.

Other Major Publications

2014
Breitinger, Frank

On the utility of bytewise approximate matching in computer science with a special focus on digital forensics investigations (PhD Thesis)

Technical University Darmstadt, 2014.

(Links | BibTeX)
Breitinger, Frank; Guttman, Barbara; McCarrin, Michael; Roussev, Vassil; White, Douglas

Approximate Matching: Definition and Terminology (Technical Report)

National Institute of Standards and Technologies 2014.

(Links | BibTeX)

2011
Breitinger, Frank

Security Aspects of fuzzy hashing (Masters Thesis)

University of Applied Sciences Darmstadt, 2011.

(BibTeX)

Other Presentations

2014
Breitinger, Frank

Reducing data for forensic investigations using approximate matching (Miscellaneous)

Presentation at University New Haven, 2014.

(BibTeX)

2013
Guttman, Barbara; Breitinger, Frank; Garfinkel, Simson; Kornblum, Jesse; Shields, Clay

Approximate Matching of Digital Artifacts (Miscellaneous)

Panel discussion at 13th Digital Forensics Research Conference (DFRWS13), 2013.

(BibTeX)

Breitinger, Frank

Similarity Preserving Hashing (Miscellaneous)

Presentation at 8. GI SIG SIDAR Graduate Workshop on Reactive Security (SPRING), 2013.

(BibTeX)

2012

Breitinger, Frank

Similarity Preserving Hashing (Miscellaneous)


(BibTeX)

2011

Breitinger, Frank; Baier, Harald

Security Aspects of Piecewise Hashing in Computer Forensics (Miscellaneous)

Abstract and Presentation at 6. GI SIG SIDAR Graduate Workshop on Reactive Security (SPRING), 2011.

(BibTeX)