Security   Information Security   Computer Hacking (security)   Computer Security

Computer Science   List Question

What are some of the must read papers in cyber-security?

4 Answers

Prakash Prasad, works at Computer Science
Written Oct 17, 2015

Top 30 Cyber Security Papers :

1. "**Additive and Multiplicative Notions of Leakage and Their Capacities**," is a research paper presented at the 2014 IEEE Computer Security Foundations Symposium written by Prof. Mario S. Alvim, Dr. Kostas Chatzikokolakis, Prof. Annabelle McIver, Prof. Carroll Morgan, Dr. Catuscia Palamidessi and Prof. Geoffrey Smith

2. "**Increasing Security Sensitivity with Social Proof: A Large-Scale Experimental Confirmation**," was written by Sauvik Das, Dr. Adam D.I. Kramer, Prof. Laura Dabbish and Prof. Jason Hong.

3. "**Quantitative Evaluation of Dynamic Platform Techniques as a Defensive Mechanism**," was written by Dr. Hamed Okhravi, Dr. James Roirdan, and Dr. Kevin Cater and presented at the 17th International Symposium on Research in Attacks, Intrusions and Defenses.

4. **Attacks and defenses for the vulnerability of the decade** : Page on utexas.edu

5. **The geometry of innocent flesh on the bone** :
The Geometry of Innocent Flesh on the Bone

6. **Interpreter exploitation** :
Page on usenix.org

7. **Control-flow integrity** :
Page on princeton.edu

8. **Intrusion detection via static analysis** :
Page on sri.com

9. **SYN cookies** :
Page on cr.yp.to

10. **Inferring Internet denial-of-service activity Outwitting the Witty worm** : Page on caida.org

11. **New directions in cryptography** : Page on utexas.edu

12. **Intercepting mobile communications: The insecurity of 802.11** :
Page on berkeley.edu

13. **Tor** : Page on torproject.org

14. **Cold boot attacks on encryption keys** : Page on jhalderm.com

15. **SecKit: A Model-based Security Toolkit for the Internet of Things** :
SecKit: A Model-based Security Toolkit for the Internet of Things

Security of Software Defined Networks: A survey

17. **Profiling user-trigger dependence for Android malware detection**
Profiling user-trigger dependence for Android malware detection

18. **Anomaly-based network intrusion detection: Techniques, systems and challenges** :
Anomaly-based network intrusion detection: Techniques, systems and challenges

19. **The cyber threat landscape: Challenges and future research directions** : The cyber threat landscape: Challenges and future research directions

20. **A survey of information security incident handling in the cloud**:
A survey of information security incident handling in the cloud

21. **From information security to cyber security** : From information security to cyber security

22. **Cyber warfare: Issues and challenges** : Cyber warfare: Issues and challenges

23. **Digital media triage with bulk data analysis and bulk_extractor**:
Digital media triage with bulk data analysis and bulk_extractor

24. **A taxonomy for privacy enhancing technologie**s :
A taxonomy for privacy enhancing technologies

25. **Future directions for behavioral information security research**:
Future directions for behavioral information security research

26. **Understanding information systems security policy compliance: An integration of the theory of planned behavior and the protection motivation theory**:
Understanding information systems security policy compliance: An integration of the theory of planned behavior and the protection motivation theory

27. **Radio frequency identification (RFID)** : Radio frequency identification (RFID)

28. **Privacy attitudes and privacy behaviour: A review of current research on the privacy paradox phenomenon** : Privacy attitudes and privacy behaviour: A review of current research on the privacy paradox phenomenon

29. **A situation awareness model for information security risk management** : A situation awareness model for information security risk management

30. **Permission based Android security: Issues and countermeasures**:
Permission based Android security: Issues and countermeasures

Enjoy Reading the most informative papers on cyber-security.

Related Questions   More Answers Below

What are the best cyber security journals, magazines, conferences, publications, and books one must follow or read?

What are some must read papers on the IoT?

I want to write a research paper on cyber security, but where do i start?

What books must be read by every security professional?

What are the best ways to boost email security in my system?

Subrahmanya Gupta Boda, CISO of a Company
Written Oct 15, 2015

Good question..
It I,s better learnt by understanding incidents, issues and possible solutions (framework, policy, technology, skills etc.)

Sign In

Here is a good place to start..

Check out InfoSec by @guptabs: https://twitter.com/guptabs/list...

167 Views

Manjunath Pai H, Happy beneficiary of computer revoultion
Written Feb 13, 2015

I found the following papers excellent:

1. Paper on Confusion and Diffusion: *Communication Theory of Secrecy Systems* is a paper published in 1949 by Claude Shannon

2. A collection of papers:**Progress on Cryptography -25 years of Cryptography in China**: Edited by Kefei Chen

3. **New Directions in Cryptography**: By Diffie and Hellman

4. **Hyperelliptic crypto systems** By : Neal Koblitz

253 Views · View Upvotes

Esha Parvathi, Tinker Tailor Lawyer Spy
Written Feb 13, 2015

The paper on Fermat's Little Theorem.   All public key cryptography is based on the properties described in the theorem :)

220 Views · View Upvotes

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Is Cyber Security the future?

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Where can I download cyber security lectures?

asking people to place a checkmark beside the girl who was prettier, sort of like that. "Facemash" thing that Mark Zuckerburg wrote in that Facebook movie. Pretty much everyone saw them and voted, and then the teacher found out. Then we had to sit around while the teacher angrily

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I'd say it depends. I know all you people who think kids should wear uniform have good reasons. It creates a sense of belonging,

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completely by illegal immigrants. Specifically, it's an auto parts store and four local mechanics that buy from that store. I know this because I used to work at that store. The owner was a friend of mine, and asked me to come on board and help him

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