



## Q4 2015 Newsletter

### ISSA Rochester News

Chapter of ISSA International  
[www.rocissa.org](http://www.rocissa.org)

#### Thank you for a great 2015!

This has been a fantastic year for the Rochester Chapter of the ISSA. We continue to increase our membership and provide more content to our members and the Rochester area security community, as is our goal.

We saw large scale breaches hit close to home, increased talk about the right to privacy, attacker's targeting children's toys, consumer blackmail (AshleyMadison), and credit card security improvements (somewhat at least!), just to name a few. As you get ready to enter 2016, please let us know how what we can do to improve your membership.

The Rochester Security Summit was another great success and we look forward to our 10<sup>th</sup> anniversary in 2016! For those who weren't able to get a ticket this year, all volunteers get a free ticket to the event, and we always can use more volunteers to help in many fashions.

The leadership committee has worked very hard, especially Jim Reilly and Rich Savacool, to provide outstanding content throughout the year to not only educate but engage security professionals. We are always looking for new ways to give back to the community, so please let us know if you have an idea for an event, a way to get involved or ways to better communicate.

Have a happy new year!

#### Past Events:

November 19<sup>th</sup>, 2015 was our last chapter meeting, where we had a great presentation by Yury German examining trends in security and malware. Thank you to **Blue Coat Systems, Inc.** and **Accunet Solutions** for providing Dinosaur BBQ as well as Yury for the evening!

#### Upcoming Events:

##### **Chapter Meeting**

**We have several meetings in the works for the next few months!**

**January – Watch your email for details!**

**Check our website ([www.rocissa.org](http://www.rocissa.org)) for more details as the dates draw near!**

If you have an idea for a meeting, or any suggestions or comments on past meetings for events please let us know at [membership@rocissa.org](mailto:membership@rocissa.org).

#### Need CPEs?

- Attend an ISSA chapter meeting
- Speak at RSS or a chapter meeting
- Volunteer for a committee
- Write a journal article

#### Membership:

We strive to provide value to our members and the security community at large. If you have an idea for a chapter meeting, social gathering, or other event please contact [membership@rocissa.org](mailto:membership@rocissa.org).

Remember we are here to help you! So please let us know what you want and we can hopefully tailor our events to fit the needs of our members.

#### Communications:

Have an article you really enjoyed or are you writing an article you really want to share with everyone? Send it to [info@rocissa.org](mailto:info@rocissa.org) and we can put it in the newsletter!

Have a question you really need help with? Join us on LinkedIn and start a discussion in the **Rochester Chapter Information Systems Security Association** group.

Rochester ISSA is now on twitter. Check us out at @RocISSA and stay up on the latest infosec news.

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## What we're reading...

### How a criminal ring defeated the secure chip-and-PIN credit cards

By Megan Geuss

Four years ago, about a dozen credit cards equipped with chip-and-PIN technology were stolen in France. In May 2011, a banking group noticed that those stolen cards were being used in Belgium, something that should have been impossible without the card holders inputting their PINs. That's when the police got involved.

The police obtained the international mobile subscriber identity (IMSI) numbers present at the locations where the cards were used and at the times they were used, and then they correlated those IMSI numbers to SIM cards.

Using that information, the police were able to arrest a 25-year-old woman carrying a large number of cigarette packs and scratchers, which were apparently intended for resale on the black market. After her arrest, four more members of the fraud ring were identified and arrested. That number included the engineer who was able to put together the chip card hacking scheme that a group of French researchers call "the most sophisticated smart card fraud encountered to date."

25 stolen cards, specialized equipment, and €5,000 (approximately \$5,660) in cash was seized. Ultimately police said about €600,000 (or \$680,000) was stolen as a result of the card fraud scheme, spanning 7,000 transactions using 40 cards.

As the US is finally beginning its transition from magnetic stripe cards to these so-called EMV cards, interested parties are watching Europe to see how hackers have taken advantage of the system there. While smart cards are supposed to be more resistant to fraud than the magnetic stripe cards the US has been using, that doesn't mean they're hack-proof. In fact, most banks in the US are currently only requiring a signature for transaction verification, rather than a PIN. Clearly, a signature is much more easily forged than a PIN, but the fraud scheme in France and Belgium shows that a PIN spoof was possible for a time, even if EMVCo, the consortium that manages the standard, says the problems that created the hack have now been fixed.

To Continue Reading: <http://bit.ly/1jyD6hB>

## Other Articles....

### A Year in Review: Cybersecurity Highlights of 2015

By Gary Davis: <http://intel.ly/1mpU4zG>

### Google slams AVG for exposing Chrome user data with "security" plugin

By Sean Gallagher: <http://bit.ly/1mRN7bd>

### Common payment processing protocols found to be full of flaws

By Peter Bright: <http://bit.ly/1Tne2WC>

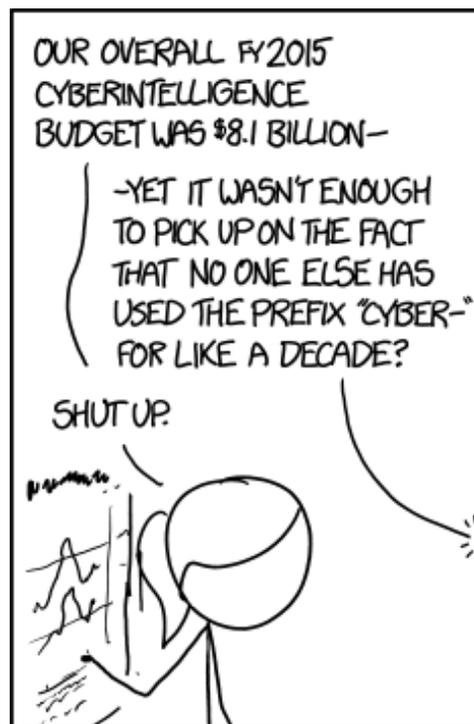
### 9 Coolest Hacks Of 2015

By Kelly Jackson Higgins: <http://ubm.io/1m5oyaz>

### 15 Cybersecurity Lessons We Should Have Learned From 2015, But Probably Didn't

By Sara Peters: <http://ubm.io/1IAy7IE>

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Source: xkcd.com