

IEEE Invited Talk by Prof. PK (IIITD)  
(April 09, 2017)

The IEEE Student Branch IIIT Allahabad in association with IEEE RAS Joint Chapter, Uttar Pradesh Section organized an invited talk by Prof. PK on “the Summer School on Privacy and Security in Online Social Media” held on 09th April 2017 at 03:30 PM. The talk was really full of motivation and inspiration for students to do research more towards real life-science related problems. Prof. G.C Nandi welcomed all and Prof. PK and greeted everyone for the great success in Session ahead.



Prof. Ponnurangam Kumaraguru (PK), Associate Professor, IIIT-Delhi. Prof. PK is one of ACM India Eminent Speakers. Title for the talk was: "Privacy and Security in Online Social Media (PSOSM)"  
With increase in usage of the Internet, there has been an exponential increase in the use of online social media on the Internet. Websites like Facebook, Google+, YouTube, Orkut, Twitter and Flickr have changed the way the Internet is being used. There is a dire need to investigate, measure, and understand privacy and security on online social media from various perspectives (computational, cultural,

and psychological). Real world scalable systems need to be built to detect and defend security and privacy issues on online social media. I will describe briefly some cool projects that we work on: TweetCred, OSM & Policing, OCEAN, and Call Me Maybe. Many of our research work is made available for public use through tools or online services. Our work derives techniques from Computational Social Science, Data Science, Statistics, Network Science, and Human Computer Interaction.

He focused on (a) TweetCred, a tool to extract intelligence from Twitter which can be useful to security analysts. TweetCred is backed by award-winning research publications in international and national venues. (b) How police in India are using online social media, how we can use computer science understanding to help police engage more with citizens and increase the safety in society. (c) Open source Collation of e-government data and Networks, how publicly available information on Government



services can be used to profile citizens in India. This work obtained the Best Poster Award at Security and Privacy Symposium at IIT Kanpur, 2013 and it has gained a lot of traction in Indian media. (d) Given an identity in one online social media, we are interested in finding the digital footprint of the user in other







to Knowledge Discovery in Databases (KDD). Prof. PK concluded that it is not possible to collect large amount of data together, so extraction of large data is not possible and it must be done in bits.

5. Which Google extension is safe?

Ans-Extensions are small software programs that can modify and enhance the functionality of the Chrome browser. You write them using web technologies such as HTML, JavaScript, and CSS. Extensions have little to no user interface. It is much better to use comments rather than values.

6. Which type of Security issues do we have to face in Research Paper?

Ans- Prof. PK relate this problem to social media and said that being research paper social, it is same as contact number on Facebook and twitter being misused by many these days. He showed a research paper on a song “Call Me Maybe” which deals with understanding of nature and risks of sharing numbers on social media. Students present in the session shared relating to the question that they are working on Face Recognition, Bitcoin as well.

7. How we can do authentication in IOT Devices, how to get data protected from the third party?

Ans- Prof. PK concluded that process of data authentication is not required and is tough too on the other side. With the help of little research paper of different people, he shared his views on the same.

At last he displayed his research paper “A Social Media Based Index of Mental Well-Being in College Campus”, which he had published. He concluded his talk with the votes of thanks to the audience and with greeting for their best future ahead. Dr. Shekhar Verma presents the memento to Prof. PK.

