
Title: Minutes of CISTC Meeting Held at ICC 2015
Date/Time: 15:00 – 16:30, Wednesday, June 10th, 2015
Place: Capital Lounge 1 & 2, Excel Convention Center London, UK
Contact: Francesco Chiti (francesco.chiti@unifi.it)

1 Welcome / Introduction

The TC Chair, Prof. Yi Qian, the Award Chair, Dr. Peter Mueller, the Vice Chair on Publications Dr. Xiaodong Lin,,and the Secretary, Dr. Francesco Chiti attended the meeting.

The meeting started at 15:00pm in Capital Lounge 1 & 2, Excel Convention Center London, located at Royal Victoria Dock, 1 Western Gateway, London E16 1XL, UK. The total number of attendees was **31** (the complete list is given in **Appendix I**).

The TC Chair, Prof. Yi Qian, started the meeting by welcoming all the audience. He firstly shown the meeting agenda. Then, he introduced the current TC officers listed below:

- Chair: Yi Qian
- Vice Chair on Conferences: Kejie Lu
- Vice Chair on Publications: Xiaodong Lin
- Secretary: Francesco Chiti
- CISTC representative for IEEE ComSoc Standards Board: Neeli R. Prasad
- CISTC representative for IEEE COMSOC Student Competition Committee: Kai Zheng
- Award Chair: Peter Mueller

He reminded the TC website (<http://committees.comsoc.org/cistc/>), then he gave update about the two TC mailing lists, which are:

- o cistc@comsoc.org
TC internal announcements
ICC, GlobeCom
Annual meetings (2 per year)
Awards
- o cistc-distribution@comsoc.org
CFP distribution
Open to all signed-up members to distribute CIS-TC related CFPs

The only difference between the two mail lists is that cistc-distribution@comsoc.org is an open list, while cistc@comsoc.org is reserved for CIS-TC internal announcements.

The attendees briefly introduced themselves and signed the attendance form.

2. Approval of the Agenda

The agenda of the CISTC meeting was approved unanimously by the attendees.

3. Approval of Meeting Minutes Globecom 2014 (Austin)

The meeting minutes have been published on the URL:

http://cms.comsoc.org/eprise/main/SiteGen/TC_CIS/Content/Home/Meetings.html

Alternatively, one can visit the TC website and then click on the link of “Meetings” to the left of the page:

<http://committees.comsoc.org/cistc>

The minutes of the CISTC meeting at Globecom 2014 was approved by all the attendees.

4. CISTC Technical Recognition Award

The TC Award Chair, Dr. Peter Mueller, explains the specific procedure, which can be found at the following link:

http://cms.comsoc.org/SiteGen/Uploads/Public/Docs_TC_CIS/CISTC_Technical_Recognition_Award.pdf

In particular, he addressed the following point:

- The possible nominations are solicited from the CISTC members; all the nominations must be sent to the CISTC Secretary by February 1st of the year in which the award is to be given
- The nominations are announced and conferred during the IEEE International Communications Conference (ICC)
- The CISTC Technical Recognition Award Selection Committee is formed and chaired by a past CISTC chair. The committee also consists of the current CISTC officers (Chair, Vice-Chair(s), and Secretary) plus one additional CISTC member nominated by the Award Selection Committee Chair. In particular, the CISTC Member nominated for the Technical Recognition Award 2015 is Prof. Stefanos Gritzalis, University of the Aegean, Greece

The Committee decided to give the CISTC Technical Recognition Award 2015 to Professor Yuguang "Michael" Fang (University of Florida), for his contributions to Security and Privacy on Wireless Networks and Mobile Computing Systems. Prof. Fang warmly thanks the Committee and his collaborators.

5. Current Status for CISTC Newsletter

The TC Chair, Prof. Yi Qian, addresses the CISTC Newsletter, whose details can be found at the following links:

http://cms.comsoc.org/eprise/main/SiteGen/TC_CIS/Content/Home/Meetings.html

http://cms.comsoc.org/SiteGen/Uploads/Public/Docs_TC_CIS/CISTC_newsletter_proposal.pdf

In particular, he clarifies the timeline: the first issue of the CISTC newsletter has been published on November 22, 2014 with Dr. Kejie Lu as Editor, the second has been posted in January 2015.

Then he briefly summarizes the last issue of the CISTC Newsletter and opens the discussions on the CISTC Newsletter.

In general it has been highlighted that CISTC Newsletter should not be limited to a digest of recent call for papers. Prof. Fang suggests to list also the ACM communications CfPs. Prof. Mueller recommends a more informal level and a diffusion through social networks, to this purpose Dr Kingston suggest to use the existing ComSoc Facebook account.

Prof. Lin indicates also the possibility to review the past conferences and to summarize special issue CfP with the aim of soliciting submissions in early stage. It is also beneficial for the CIST community to summarize the most relevant publications.

Finally, Prof. Fang addresses the need of a short review on interesting recent papers (a sort of “best reading”) possibly written by third parties.

6. Reports on Conferences

On behalf of Dr. Kejie Lu, Vice Chair on Conferences, the TC Chair, Prof. Yi Qian, gave an overview on conference activities in CISTC. Specifically, Prof. Yi Qian presented some information about the CISTC organized symposia in the following conferences:

- ICC2015
- CNS15
- Globecom 2015
- ICC 2016

It also recall to CISTC attention the need for volunteers for GC16 and ICC17. He also emphasized that every active CISTC members can be nominated as a co-chair for CISS Symposium for ICC or GLOBECOM. An active CISTC member is defined as a member who has actively involved in the CISTC activities, and attended at least twice CISTC meetings in the past two years.

Then he figure out the statistics on ICC15, CNS15 and GC15

The detailed information about the conferences that have been reported can be found in **Appendix II**. Also, detailed information about CISTC endorsed conferences can also be found in **Appendix II**.

8. Reports on Publications

The Vice Chair on Publications Dr. Xiaodong Lin presents a report on the publication activities supported by the committee. He started by introducing the published books and the journal special issues, including the upcoming special issues.

Prof. Mueller lites the IEEE magazines proposals in preparation.

Several members suggest more collaboration with sister societies together with more activities on security and other topics (e.g., digital forensic, IoT).

In addition, the special issues initiative on security are proposed. The presentation of further proposals is encopuraged provided that there are 2 co-editors with SI experience. The contact persons for this are Prof. Ying-Dar Lin (ymlin@cs.nctu.edu.tw) and Prof. Peter Mueller (pmu@zurich.ibm.com).

Finally the patents are presented.

There are some suggestions from the audience, Firstly, more joint activities (e.g. co-sponsored conferences and workshops) with IEEE Computer Society's Technical Committee on Security and Privacy and IEEE Signal Processing Society's Information Forensics and Security Technical Committee are expected. If possible maybe a conference similar to ICME can be organised among IEEE Communication Society, IEEE Computer Society, IEEE Signal Processing Society on cyber security, privacy and digital forensics (the reference person is Dr. Shujun Li, University of Surrey, UK). Finally, it is recommended more collaborative activities on security and forensics of cloud, mobile and IoT (the reference person is Dr. Kim-Kwang Raymond Choo, University of South Australia).

The complete list of books, special issues and patents can be found in **Appendix III**.

9. Standards liaison

The TC Chair, Prof. Yi Qian, addresses the COMSOC Standardization Program Development Board (CSPDB) Organization, and presents the Board Members. The CISTC representative for IEEE ComSoc Standards Board, is Dr. Neeli R. Prasad. Prof. Yi Qian recommends more participation.

10. ComSoc Students Competition Award

On behalf of Dr. Kai Zheng, CISTC representative for IEEE COMSOC Student Competition Committee, Prof. Yi Qian introduced ComSoc Students Competition Award

initiative. ComSoc Students Competition Award nomination can be done through ComSoc website.

In particular, he introduces the third edition of the ComSoc Student Competition Program, for graduate and undergraduate students, launched by ComSoc in 2013. The details and results of the 2014 edition are presented at:

<http://www.comsoc.org/communications-technology-changing-world>

The theme of the competition is again "Communications Technology Changing the World".

11. Next CIS-TC Meeting

The next CISTC meeting will be held at IEEE GLOBECOM 2015, San Diego, California in December 6-10, 2015.

12. Adjourn

Prof. Yi Qian thanked all the people who attended this TC meeting, and thanked all the CISTC members who contributed to the success of CISTC. The meeting ended around 4:30 pm.

(June, 2015)

Appendix I

The total 31 committee members attended the meeting.

| | | |
|----|-------------------------|---|
| 1 | Francesco Chiti | University of Florence, Italy |
| 2 | Yi Qian | University of Nebraska-Lincoln, USA |
| 3 | Jeongseok Ha | Korea Advanced Institute of Science and Technology |
| 4 | Nedasadat Hosseinidebaj | University of New South Wales, Australia |
| 5 | Abdelmalide Bachin | Biskra University, Algeria |
| 6 | Debora Kingston | ComSoc Staff |
| 7 | Bo Rong | Communications Research Center, Canada |
| 8 | Rafael Schaefer | Princeton University, USA |
| 9 | Laura Pierucci | University of Florence, Italy |
| 10 | A. Selcuk Ulijagac | Florida International University, USA |
| 11 | Guozi Sun | Nanjing University of Posts and Communications, China |
| 12 | Maode Ma | Nanyang Technological University, China |
| 13 | Yuguang Fang | University of Florida, USA |
| 14 | Yacine Challal | University of Technology Compiègne, France |
| 15 | Walid Bechkit | INSA-Lyon / INRIA, France |
| 16 | Wei Yu | Towson University, USA |
| 17 | Phone Lin | National Taiwan University |
| 18 | Jinyuan Sun | University of Tennessee, USA |
| 19 | Maggie Cheng | University of Missouri-Rolla, USA |
| 20 | Rongxing Lu | Nanyang Technological University, China |
| 21 | Tan Hon | Virginia Tech, USA |
| 22 | Wei Wang | Zhejiang University, China |
| 23 | Zhiguo Ding | Lancaster University, UK |
| 24 | Romano Fantacci | University of Florence, Italy |
| 25 | Muoen Peng | Beijing University of Posts and Communications, China |
| 26 | Xiaodong Lin | University of Ontario Institute of Technology, Canada |
| 27 | Jinsong Wu | Universidad de Chile |
| 28 | Giovanni Giambene | University of Siena, Italy |
| 29 | Rose Hu | Utah State University, USA |
| 30 | Chin-Ser Huang | University of South carolina, USA |
| 31 | Peter Mueller | IBM Zurich Research |

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Appendix II

| Conference | Submitted | Accepted | Reviews | TPC | Representatives |
|---|-----------|----------|---------|-------|--|
| CISTC Organized Conferences | | | | | |
| ICC 15 - Communication and Information System Security Symposium (CISS) | 163 | 66 | >3 | 255 | Xiaojiang Du Raheem Beyah Xiaoyan Zhu |
| The Third IEEE Conference on Communications and Network Security (IEEE CNS 2015) | - | - | | 10+73 | David Du Sabrina De Capitani Di Vimercati Guevara Noubir Pierangela Samarati |
| GC15 - Communication and Information System Security Symposium (CISS) | 188 | - | >3 | 230 | Peter Mueller Yang Yang |
| CISTC Endorsed Conferences | | | | | |
| WTS 2015 http://www.csupomona.edu/wtsi | - | - | - | - | Steven Powell Thomas Ketseoglou Qing-An Zeng |
| ICNC 2015 (Communications and Information Security Symposium) http://www.conf-icnc.org/2015/ | - | - | - | - | Xinwen Fu Shui Yu Rongxing Lu |
| DRCN 2015 (International Conference on Design of Reliable Communication Networks) http://www.drcn2015.org/ | - | - | - | - | Byrav Ramamurthy Nelson L. S. da Fonseca Yi Qian |



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| ICACT 2015 (IEEE International Conference on Advanced Communications Technology) http://icact.org/ | - | - | - | - | Yi Qian Peter Mueller Hsiao-Hwa Chen |
| CCCT2015 http://mnnit.ac.in/icct2015 | - | - | - | - | Krishn Mishra Rajeev Tripathi Peter Mueller |
| ICSPCS 2015 http://www.dspsc-witsp.com/icspcs_2015 | - | - | - | - | Hamid Sharif Pascal Lorenz Yi Qian |

Appendix III

| Journal special issues | | |
|---|--|--|
| <i>Special Issue Topic</i> | <i>Publisher/Journal</i> | <i>Editors</i> |
| Special issue on "Wireless Network Intrusion" | Journal of Computer and System Sciences (Elsevier), Vol. 80, No. 3, 2014 | Al-Sakib Khan Pathan, Zubair Muhammad Fadlullah, Mostafa M. Fouda, and Hae Young Lee |
| Special issue on "Future Trends in Security Issues in Internet and Web Applications" | International Journal of Computational Science and Engineering (Inderscience Publishers), Vol. 9, No. 4, 2014 | Al-Sakib Khan Pathan and Muhammad Mostafa Monowar |
| Special issue on "Quality-of-Experience (QoE) and Quality-of-Protection (QoP) Provisions in Emerging Mobile Networks" | IEEE Wireless Communications Publication date: August 2015 (Submission deadline: December 15, 2014) | Haojin Zhu, Wenbo He, Kuang-Hao (Stanley) Liu, Kaoru Ota |
| Special Issue on "Security and Trust Issues in Peer-to-Peer Networks" | International Journal of Computational Science and Engineering (Inderscience Publishers) Publication date: To Appear (Submission deadline: July 15, 2014) | Al-Sakib Khan Pathan, Xianglin Wei, Homero Toral Cruz, and Luca Cavaglione |
| Special issue on "Information Integrity in Smart Grid Systems" | Information Systems (Elsevier) Publication date: To appear (Submission deadline: June 1, 2014) | Al-Sakib Khan Pathan, Zubair Muhammad Fadlullah, Mostafa M. Fouda, Muhammad Mostafa Monowar, and Philip Korn |
| Special Issue on "Cloud Cryptography: State of the Art and Recent Advances" | Future Generation Computer Systems (Elsevier) Publication date: Mid of 2016 (Submission deadline: May 31, 2015) | Kim-Kwang Raymond Choo, Josep Domingo-Ferrer, Lei Zhang |
| Special Issue on "Cloud Security Engineering" | IEEE Transactions on Cloud Computing Publication date: January/February 2016 (Submission deadline: March 31, 2015) | Kim-Kwang Raymond Choo, Omer Rana, Muttukrishnan Rajarajan |

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| Special Issue on “Legal Clouds: How to Balance Privacy with Legitimate Surveillance and Lawful Data Access” | IEEE Cloud Computing Magazine Publication date: July/August 2015 (Submission deadline: April 15, 2015) | Kim-Kwang Raymond Choo, Rick Sarre |
| Special Issue on “Reliably Secure Software Systems” | it - Information Technology, Vol. 56, 2014 | Heiko Mantel |
| Special Issue on “Threat Detection, Analysis & Defense” | Journal of Information Security and Applications, vol. 19, no. 3, pp. 163-244, July 2014 | Shujun Li, Konrad Rieck and Alan Woodward |
| Special Issue on “Disaster Resilience in Communication Networks” | IEEE Communications Magazine, October/2014 and December/2014 | Michele Nogueira, Piotr Cholda, Deep Medhi, Robert Doverspike |
| Upcoming Journal special issues | | |
| <i>Special Issue Topic</i> | <i>Publisher/Journal</i> | <i>Editors</i> |
| Special Issue on “Embedded Device Forensics and Security: State of the Art Advances” | ACM Transactions on Embedded Computing Systems Submission Deadline: November 1, 2015 | Kim-Kwang Raymond Choo, Yunsi Fei, Yang Xiang, Yu Yu |
| Special Issue on “Communications and Privacy under Surveillance” | IEEE Computer Submission Deadline: August 1, 2015 | Ying-Dar Lin, Jeffrey Voas, Antonio Pescapè, Peter Mueller |
| Special Issue on “Cyber Security in the Critical Infrastructure: Advances and Future Directions” | Journal of Computer and System Sciences (Elsevier) Submission Deadline: August 31, 2015 | Jemal Abawajy, Kim-Kwang Raymond Choo, Rafiqul Islam |
| Special Issue on “Mobile Security, Privacy and Forensics” | Pervasive and Mobile Computing (Elsevier) Submission Deadline: September 30, 2015 | Kim-Kwang Raymond Choo, Lior Rokach, Claudio Bettini |
| Special Issue on “Cloud Forensics: State-of-the-Art and Future Directions” | Journal of Computer and System Sciences (Elsevier) Submission Deadline: October 31, 2015 | Kim-Kwang Raymond Choo, Martin Herman, Michaela Iorga, Ben Martini |
| Special Issue on “Internet of Things (IoT): Secure Service Delivery” | ACM Transactions on Internet Technology Submission Deadline: November 30, 2015 | Elisa Bertino, Kim-Kwang Raymond Choo, Dimitrios Georgakopoulos, Surya |

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| Special Issue on “Revolutionizing mHealth through next generation communication technologies” | EURASIP Journal on Wireless Communications and Networking Submission Deadline: November 1, 2015 | Elli Kartsakli, Marco di Renzo, Angelos Antonopoulos, Hsi-Pin Ma, Nelson Fonseca |
| Special Issue on “Vehicular Cloud Networking” | Vehicular Communications (Elsevier) Submission Deadline: August 15, 2015 | Rami Langar, Bechir Hamdaoui, Mario Gerla, Raouf Boutaba |
| Special Issue on “Security and Dependability of Networks and the Internet” | International Journal of Internet Protocol Technology (Inderscience Publishers) Submission Deadline: August 31, 2015 | Ilsun You, Jian Weng, Zheli Liu, Xiaochun Cheng |
| Special Issues Initiative on Security | | |
| <i>Special Issue Topic</i> | <i>Publisher/Journal</i> | <i>Editors</i> |
| Security in/by SDN and NVF | SI on IEEE Com Mag | - |
| Network and Traffic Forensics | SI on IEEE Network | - |
| Security Criteria | SI on IEEE Security & Privacy | - |
| Cloud Security | SI on IEEE Cloud Comp Mag | - |
| Wiretapping | SI on IEEE Computer | - |
| Malware Evolution | SI on IEEE Internet Computing | - |
| Lightweight security | SI on IEEE Wireless Com | - |
| Books | | |
| <i>Book title</i> | <i>Publisher</i> | <i>Authors/ Editors</i> |
| <i>Practical Cryptography: Algorithms and Implementations using C++</i> | CRC Press, Taylor & Francis Group, USA, November 2014 | Saiful Azad and Al-Sakib Khan Pathan |
| <i>The State of the Art in Intrusion Prevention and Detection</i> | CRC Press, Taylor & Francis Group, USA, January 2014 | Al-Sakib Khan Pathan |
| <i>Cloud storage forensics</i> | Syngress, an Imprint of Elsevier, 2014 | Darren Quick, Ben Martini and Kim-Kwang Raymond Choo |

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| <i>Cloud security ecosystem: Technical, Legal, Business and Management Issues</i> | Syngress, an Imprint of Elsevier, June 2015 | Ryan Ko, Kim-Kwang Raymond Choo |
| <i>Security and Privacy in Internet of Things (IoT): Models, Algorithms, and Implementations</i> | Taylor & Francis LLC, CRC Press, 2015 | Fei Hu |
| <i>Vehicular Ad Hoc Network Security and Privacy</i> | Wiley-IEEE Press, June 2015 | Xiaodong Lin, Rongxing Lu |
| Books in Preparation | | |
| <i>Book title</i> | <i>Publisher</i> | <i>Authors/ Editors</i> |
| <i>Securing Cyber Physical Systems</i> | CRC Press, Taylor & Francis Group, USA | Al-Sakib Khan Pathan |
| <i>Mobile security and privacy: State of the art advances</i> | Syngress, an Imprint of Elsevier | Au M H & Choo K-KR |
| <i>Handbook of Digital Forensics of Multimedia Data and Devices</i> | John Wiley & Sons, Inc | Anthony TS Ho and Shujun Li |

| Patents | | |
|---|--|--|
| <i>Authors</i> | <i>Title</i> | <i>Application number</i> |
| Martini B & Choo K-KR | Remote programmatic forensic data collection method and system | Australian Provisional Patent 2014905255, Filed in December 2014 |
| Quick D & Choo K-KR Australian Provisional | Data reduction method for digital forensic data | Patent 2014905242, Filed in December 2014 |
| D'Orazio C & Choo K-KR | Methods for detecting security vulnerabilities in apps | Australian Provisional Patent 2015900500, Filed in February 2015 |
| Shujun Li and Anthony TS Ho | Hiding information in a digital environment | Patent application filed to UK Intellectual Property Office in November 2014 |
| Roger Piqueras Jover, Ilona Murynets | Malware and anomaly detection via activity recognition based on sensor data | United States Patent Application 20150128265 |
| Roger Piqueras Jover | Method and apparatus for providing broadcast channel encryption to enhance cellular network security | United States Patent Application 20150139422 |
| Roger Piqueras Jover | Endpoint device antenna | US Patent Application |

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| | beam forming based jamming detection and mitigation | 20150141026 |
| Roger Piqueras Jover | Base station antenna beam forming based jamming detection and mitigation | US Patent Application 20150138992 |