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DISSECT 2017 : 3rd IEEE/IFIP International Workshop on Security for Emerging Distributed Network Technologies



Link: <http://www.dissect.vcu.edu/2017/>

When	May 8, 2017 - May 8, 2017
Where	Lisbon, Portugal
Abstract Registration Due	Jan 10, 2017
Submission Deadline	Jan 15, 2017
Notification Due	Jan 30, 2017
Final Version Due	Feb 15, 2017

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Call For Papers

3rd IEEE/IFIP International Workshop on Security for Emerging Distributed Network Technologies (DISSECT)

<http://www.dissect.vcu.edu/2017/>

In conjunction with IEEE/IFIP International Symposium on Integrated Network Management (IM 2017)

Lisbon, Portugal, 8 or 12 MAY 2017

- * Paper Registration: December 15th, 2016
- * Paper Submission: December 19th, 2016

Authors of selected papers will be invited to submit an extended version to a Special Issue of the International Journal on Network Management (<http://goo.gl/4tIMhV>) ***

Emerging open networking technologies and paradigms, such as Software-Defined Networking, Network Function Virtualization, and Programmable Networks, are reshaping the way networks are designed, deployed, and managed. The benefits are manifold, including an unprecedented flexibility for network operation and management, and a favorable environment for delivering innovative network applications and services. However, this paradigm shift brings a multitude of security challenges that have to be addressed in order to provide secure, trustworthy, and privacy-preserving data communication and network services. Addressing these challenges may require not only revisiting existing solutions (e.g., for intrusion detection, privacy preserving, and resilience against attacks), but also designing novel security and resilience schemes tailored to the specific design of open networking technologies and infrastructures.

DISSECT 2017 will put focus on security issues and challenges arising with the emergence of novel networking technologies and paradigms, towards a secure and integrated management in the cloud and 5G era. The workshop will shed light on new challenges and present current research on the various security aspects of next-generation networking technologies and service management frameworks.

DISSECT will offer a venue for bringing together students, researchers, and professionals from academia and industry sharing common interest on security challenges related to the design and management of the distributed networks and infrastructures. DISSECT is intended to (1) discussing these challenges as well as future trends on security management, (2) present and discuss work-in-progress security-related research on cutting-edge technologies, and (3) strengthening collaboration and research ties among peers.

Topics of Interest:

In this workshop, the research community from industry and academia will be invited to contribute with manuscripts describing novel, work-in-progress research on the design of solutions to relevant security issues on a wide variety of next generation networking technologies. The topics of interest of the workshop include, but are not limited to

- Secure and resilient design and deployment of open networking technologies
- Privacy-preserving solutions
- Security models and threats
- Security and privacy properties and policies
- Verification and enforcement of security properties
- Trust and identity management
- NFV- based security functions and services
- Security of software-defined infrastructures, protocols and interfaces
- Threat modeling
- Security and availability management
- Security for Internet of Things
- Intrusion detection, tolerance, and prevention
- Network forensics and auditing
- Detection and resilience against large-scale distributed attacks
- Security of programmable components
- Security-related business and legal aspects
- Security challenges and trends for open networking technologies
- Secure programmable data plane

 Author Instructions:

All submitted papers must present original, unpublished research or experiences. Papers under review elsewhere must not be submitted to the workshop. All contributions must be submitted in PDF format via https://submissoes.sbc.org.br/im2017_dissect2017 .

Each paper must be limited to 6 pages using IEEE 2-column style and will be subject to a peer-review process. Accepted papers will be published in the IEEE Xplore Digital Library. Any paper not presented in the workshop by one of its authors will be withdrawn from IEEE Xplore.

 Important Dates:

- Paper Registration Deadline: December 15th,2016
- Paper Submission Deadline: December 19th, 2016
- Notification of Acceptance: January 30th, 2017
- Camera-Ready Papers: February 15th, 2017
- Workshop Day: 8 or 12 May 2017

 Workshop Co-Chairs:

- Carol Fung, Virginia Commonwealth University, USA
- Mohamed Faten Zhani, École de Technologie Supérieure, Canada
- Weverton Cordeiro, UFRGS, Brazil
- Jérôme François, Inria Nancy Grand Est, France

Related Resources

[DISSECT 2019](#) IEEE/IFIP Workshop on Security for Emerging Distributed Network Technologies (DISSECT)

[NECO 2018](#) 7th International Conference of Networks and Communications

[ACNS 2019](#) International Conference on Applied Cryptography and Network Security

[ETRIJ Cyber Security & AI 2019](#) ETRI Journal Special issue on Cyber Security and AI

[ITCE 2019](#) The International Conference on Innovative Trends in Computer Engineering

[CRC-Botnets 2018](#) Botnets: Architectures, Countermeasures, and Challenges

[ICINT--EI, Scopus 2019](#) 2019 4th International Conference on Information and Network Technologies (ICINT 2019)--EI Compendex, Scopus

[WTMC 2019](#) 4th International Workshop on Traffic Measurements for Cybersecurity

[CyberHunt - 2018](#) International Workshop on Big Data Analytics for Cyber Threat Hunting

[CSITS 2018](#) International Workshop on Cyber Security for Intelligent Transportation Systems

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