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CALL FOR PAPERS

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THIRD INTERNATIONAL WORKSHOP ON SECURITY ASSURANCE IN THE CLOUD (IWSAC 2015)
Held in conjunction with 12th IEEE International Conference on Cloud and Big Data Computing (CBDCom2015)
August 10-14 2015, Beijing, China
Website: http://sesar.di.unimi.it/IWSAC2015/

IWSAC 2015 BACKGROUND AND GOALS
Cloud computing represents a major shift in the way we develop and deploy systems and services. It has many benefits such as better utilization of hardware resources by the ease of deployment, scalability, reduced costs, increased efficiency, and high availability of services using Internet. However, the security challenges related to cloud computing act as barrier to its widespread adoption. Cloud computing paradigm is also changing the traditional view of security introducing new service security risks and threats, and requires re-thinking of current assurance, development, testing, and verification methodologies. In particular, security assurance in the cloud is becoming a pressing need to increase the confidence of the cloud actors that the cloud and its services are behaving as expected, and requires novel approaches addressing SOA and cloud peculiarities. The third edition of IWSAC workshop aims to address the security assurance issues related to the deployment of services in the Cloud, along with evaluating their impact on traditional security solutions for software and network systems.

The workshop seeks submissions from academia and industry presenting novel research on all theoretical and practical aspects of security and assurance of services implemented in the Cloud, as well as experimental studies in Cloud infrastructures, the implementation of services, and lessons learned. Topics of interest include, but are not limited to:

* Access control and Identity management in cloud
* Authentication and access control in the cloud
* Challenges in moving critical systems to the cloud
* Cloud accountability
* Cloud audit
* Cloud compliance
* Cloud certification
* Cloud governance
* Cloud monitoring system
* Cloud security principles
* Cloud transparency, introspection, and outrospection
* Cybersecurity in the cloud
* Data security and privacy in the cloud

* Information assurance and trust management
* Insecure APIs and interfaces in the cloud
* Intrusion detection and prevention in the cloud
* Malicious insiders and shared technology vulnerabilities in the cloud
* Multi-tenancy and delegation of trust in cloud
* Privacy in the cloud
* Risks and compliance issues in cloud
* Security assurance in the cloud
* Security and assurance protocols in the cloud
* Service level agreements
* Service procurement in the cloud
* Service verification in critical cloud services
* Test-based and monitoring-based verification of cloud services

IMPORTANT DATES
Paper submission due: May 19, 2015
Notification of acceptance: May 20, 2015
Final Camera-ready papers Due: June 5, 2015
Conference: 10 August 2015

SUBMISSION INSTRUCTIONS
Authors are invited to submit original, unpublished research papers that are not being considered for publication in any other forum. Papers must follow the IEEE Computer Society Proceedings Manuscript Formatting Guidelines, using one of the templates provided at http://www.computer.org/portal/web/cscps/formatting for Word and LaTeX. The font size, margins, inter-column spacing, and line spacing in the templates must be kept unchanged.
Papers submitted cannot exceed six pages in length, including reference and appendix. Up to 2 extra pages may be purchased at $50 (US dollars) per extra page. Each submission should be regarded as an undertaking that, if the paper be accepted, at least one of the authors must register for the workshop and attend the workshop to present the work in order for the paper to be included in the IEEE Digital Library.

PUBLICATIONS
Accepted papers will be published in proceedings of the CBD 2015 conference
IEEE CBD 2015 proceedings will be submitted for publication in IEEE Computer Society Digital Library (IEEE CSDL) and in IEEE Xplore [1]. Proceedings will be submitted for EI indexing [2]. Extended versions of selected best papers will be considered for publication in special issues of several SCI-indexed international journals.
[1] While all conferences sponsored by the IEEE and/or published by CPS will be submitted for inclusion in IEEE Xplore and the CSDL, all conference proceedings must meet IEEE's quality standards, and IEEE reserves the right not to publish any proceedings that do not meet these standards.
[2] The IEEE cannot guarantee that any particular abstract or index entry will be included in EI Compendex or any other indexing service. IEEE makes its best efforts to ensure indexing, but the

indexing services are independent organizations not subject to IEEE control.

All submissions should be written in English and submitted via EasyChair and the submission site is here: https://easychair.org/conferences/?conf=iwsac2015

Each submission will be peer reviewed by at least three members of the program committee.

CHAIRS AND COMMITTEES

Program Co-Chairs
* Claudio A. Ardagna, Universita' degli Studi di Milano, Italy
* Ernesto Damiani, Universita' degli Studi di Milano, Italy
* Richard Hill, University of Derby, UK
* Shao Ying Zhu, University of Derby, UK

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* Yan Wu, Tongji University, China

This call for papers and additional information about the conference can be found at http://sesar.di.unimi.it/IWSAC2015/