

Call for Papers
**The 4th International Workshop on Security and Reliability of eHealth
Information Systems (S&ReHIS 2017)**
Dalian, China, 12-15 October 2017

<https://sites.google.com/site/rehisw/>

Workshop Chairs:

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Scope:

Information security and reliability in the healthcare domain is a complex and challenging problem for computer scientists, social scientists, law experts and policy makers. Appropriate healthcare provision requires specialized knowledge, is information intensive and much patient information is of a particularly sensitive nature. Electronic health record systems provide opportunities for information sharing which may enhance healthcare services, for both individuals and populations. However, appropriate information management measures are essential for privacy preservation and reliability.

Traditional access control measures may not match the eHealth record system scenario, where the roles of all stakeholders are less defined. Questions regarding data ownership and information management obligations for major stakeholders (healthcare professionals, patients, administrators) arise. Healthcare professionals require ready access to as much information as possible to support informed decision making. However, patients may want to exercise control over the entities gaining access to their personal health information, with particular concerns for information privacy. Balancing these competing concerns is a major challenge in the implementation of successful e-Health systems. This is not just a technological challenge, but a multidisciplinary problem with technological, social, legal and health policy aspects.

This workshop will focus on this major challenge in terms of these four main areas. We seek papers addressing the technological, socio-technical, legal and policy aspects related to information security and reliability issues in e-Health systems.

Potential topics include, but are not limited to:

- Access Control
- Usage Control

- Information Usage Policy Representation,
- Consumer Acceptance of e-Health Legal Aspects Relating To All Aspects Of Information Security And Privacy In E- Health
- Role of Big Data in Information Security And Privacy
- Usable Security and Privacy
- Usability
- Enforcement and Management
- Rights Management
- Misuse Detection
- Provenance Tracking
- Accountability
- Audit Logs
- Testing and verification of eHealth
- Simulation based methods in eHealth
- Security and Privacy issues in eHealth
- Formal methods in eHealth
- Verification of eHealth software and equipment
- Performance evaluation of eHealth systems
- Open issues, surveys on eHealth reliability
- Healthcare sensors reliability
- Patient data security and reliability
- Fault tolerance in eHealth
- Vulnerability assessment
- Security access policies and privacy issues in eHealth • Secured network architectures for eHealth
- Secure transmission, processing, and storage
- Reliability of eHealth technologies: mHealth, WBSN. • Intrusion and fraud detection in eHealth systems
- eHealth Security Forensics and Investigation
- Electronic health record (EHR) systems reliability

Submission Guidelines:

Papers have to follow IEEE format requirements and have to be written in English. Full details of submission procedure are available at: <http://ieehealthcom2017.com/call-for-submission>.
Submission Link: T be posted

Important Dates:

Paper submission deadline: **25 June 2017**

Notifications: **31 Aug. 2017**

Camera Ready submission: **12 Sept. 2017**

Potential List of Invited Speakers:

- TBD

TPC Members:

- Adnan Al-Anbuky, Auckland University of Technology, Auckland, New Zealand
- Ahmad Alomari, ETS, Canada
- Al-Sakib Khan Pathan,
- Behzad Akbarpour, Nvidia Corp., USA
- Christoph Thuemmler, Edinburgh Napier University, Scotland, UK
- Dominique Méry, Université Henri Poincaré Nancy, France
- Jalal Al-Muhtadi, King Saud Univ, KSA
- Hamid Mcheick, University of Quebec at Chicoutimi, Canada
- Kalman Graffi, Universität Paderborn, Germany
- Kang G. SHIN, University of Michigan, USA
- Kun-chan Lan, National Cheng Kung University, Taiwan
- LyesKhelladi, CERIST, Algeria
- Majida Ali Abed Meshari, University in Tikrit, Iraq
- Manuel Martins, University of Aveiro, Portugal
- Masahide Nakamura, Kobe Univ., Japan
- Mehmet Orgun, Macquarie University, Australia
- Moad Mowafi, JUST, Jordan
- Mohammed Sayim Khalil, CoEIA, King Saud University, KSA
- Mohamed Younis, University of Maryland Baltimore County, USA
- Mohamed Salah Hamdi, ABMMC, Qatar
- Mostafa H. Dahshan, CCIS, King Saud University, KSA
- Mubashir Husain Rehmani, COMSATS, Pakistan
- Naeem Abbasi, Qualcomm Corp., USA
- Omar Banimelhim, JUST, Jordan
- Osman Hasan, NUST, Pakistan
- Rabeb Mizouni, Khalifa University, UAE
- Sanjiva Prasad, Indian Institute of Technology, India.
- Shiu-Kai Chin, Syracuse University, USA
- Sofiene Tahar, Concordia University, Canada
- Wei Wei, Xi'an University of Technology, China
- Yacine Challal, Université de Technologie de Compiègne, France
- Zahoor Khan, Dalhousie Univ., Canada
- Yun Bai, Univ of Western Sydney, Australia
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