

First IEEE International Workshop on Adapting Data Mining for Security (ADMIS)

Singapore, Tuesday, November 20, 2018

Co-located with [IEEE International Conference on Data Mining, 2018](#)

Website: <https://sites.google.com/site/admisworkshop/home>

Increasingly, sophisticated techniques from data mining and machine learning are being applied to challenges in security and privacy fields. However, experts from these areas have no high-visibility medium at a premier Data Mining conference such as ICDM, where they can meet and exchange ideas so that strong collaborations can emerge, and cross-fertilization of these areas can occur. Moreover, current courses and curricula in security do not sufficiently emphasize background in these areas and students in security are not emerging with deep knowledge of these topics. Hence, we propose a workshop that will address the research and development efforts in which analytical techniques from machine learning and data mining are applied to solve security challenges. Submission of papers related to methodology, design, techniques and new directions for security that make significant use of data mining and machine learning are welcome. Furthermore, submissions on educational topics and systems in the intersection of security and data mining are also highly encouraged.

More information about the workshop available at:

<https://sites.google.com/site/admisworkshop/home>

The workshop will focus on, but is not limited to, the following areas:

- ✓ Data Mining techniques for security;
- ✓ Machine learning for security;
- ✓ Inference Control;
- ✓ Privacy-preserving data mining;
- ✓ Security of machine learning;
- ✓ Security of data mining;
- ✓ Case studies;
- ✓ Educational topics and courses.

The half-day workshop is planned for November 20th, 2018, with one session of keynote speeches, one technical session, a session on Security Education, and a concluding panel discussion on future directions and essential knowledge for security students and professionals. The keynote speeches will be delivered by a well-known researcher in the intersection of data mining and security. All submissions must describe original research, not published nor currently under review for another workshop, conference, or journal. All papers must be submitted electronically via the ICDM Submission system: [Submission link](#)

Submission can be a long paper (8 pages) or a short paper (4 pages). All the submissions should follow the same format and page limit as ICDM regular submission (max 10 pages). There will be a page fee over 8 pages (2 extra page fee for a submission

of 10 pages). Detailed layout guidelines are the same as recommended in <http://icdm2018.org/calls/call-for-papers/>. Submission implies the willingness of at least one author to attend the workshop and present the paper. All accepted papers will be **included in the IEEE ICDM 2018 Workshops Proceedings volume published by IEEE Computer Society Press, and will also be included in the IEEE Xplore Digital Library.** Therefore, **papers must not have been accepted for publication elsewhere or be under review for another workshop, conferences or journals.**

The presenter must register for the workshop before the deadline for author registration. The accepted papers will be compiled in the workshop proceedings as either a regular paper or a poster paper. Extended versions of selected high-quality workshop papers will be invited to a **special issue of Journal of Security and Communication Networks** planned for 1st half of 2019 (guest-editors include Akbar Namin and Rakesh Verma).

Organizing Committee

- ✓ Ping Chen (University of Massachusetts-Boston)
- ✓ Rakesh Verma (University of Houston)

Technical Program Committee

- ✓ Wenyaw Chan (University of Texas -HSC, Houston)
- ✓ Ping Chen (University of Massachusetts-Boston)
- ✓ Guillermo Francia (Jacksonville State University)
- ✓ Qingzhong Liu (Sam Houston State University)
- ✓ Omid Madani (Cisco)
- ✓ David Marchette (Naval Surface Warfare Center)
- ✓ Chilukuri K. Mohan (Syracuse University)
- ✓ Akbar Namin (Texas Tech University)
- ✓ Bernardete Ribeiro (University of Coimbra, Portugal)
- ✓ Ritwik Sinha (Adobe Research)
- ✓ Andrew Sung (University of Southern Mississippi, TPC Co-Chair)
- ✓ Bhavani Thuraisingham (University of Texas at Dallas, TPC Co-Chair)
- ✓ Rakesh Verma (University of Houston, TPC Co-Chair)
- ✓ Roland Yap (National University of Singapore)

Important Dates

Paper Submission Deadline: August 21st, 2018, 11:59 pm PST

Acceptance Notification: September 4th, 2018, 11:59 pm PST

Camera Ready Submission Deadline: September 15th, 2018, 11:59 PST

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