Increasingly, sophisticated techniques from machine learning, data mining, statistics and natural language processing are being applied to challenges in security and privacy fields. However, experts from these areas have no medium 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 and privacy are not emerging with deep knowledge of these topics. Hence, we are organizing a workshop that will address the research and development efforts in which analytical techniques from machine learning, data mining, natural language processing and statistics are applied to solve security and privacy challenges (“security analytics”). Submissions of papers related to methodology, design, techniques and new directions for security and privacy that make significant use of machine learning, data mining, statistics or natural language processing are welcome. Furthermore, submissions on educational topics and systems in the field of security analytics are also highly encouraged. For more information about the workshop: http://capex.cs.uh.edu/?q=secanalysis2015

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

- Natural Language Processing for security/privacy;
- Data Mining techniques for security/privacy;
- Machine learning for security/privacy;
- Inference Control;
- Privacy-preserving data mining;
- Security of machine learning;
- Security of data mining;
- Security of natural language processing;
- Case studies;
- Educational topics and courses.

The one-day workshop is planned for March 4, 2015, with 2 sessions of keynote speeches, 2 technical sessions, a session on Security Analytics Education, and a concluding panel discussion on future directions and essential knowledge for security and privacy students and professionals. The keynote speeches will be delivered by two well-known researchers in the field. 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 EasyChair system:

https://easychair.org/conferences/?conf=spa2015

Papers must be no longer than 8 pages and in font size no smaller than 10 points. Detailed layout guidelines except the page length are the same as recommended in http://www.codaspy.org. Submission implies the willingness of at least one author to attend the workshop and present the paper. Accepted papers will be included in the ACM Digital Library. 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 within 8 pages or a poster paper within 2 pages. A limited number of high quality submissions will be selected for publication in a special issue of a journal. Reduced registration fees will be provided to selected participants through an NSF grant.

**Organizing Committee**

- Stephen Huang (University of Houston)  
  Organizing Committee Chair
- Rakesh Verma (University of Houston)  
  Technical Program Committee Chair
- Wenyaw Chan (University of Texas-HSC at Houston)  
  Poster Session Chair
- Ping Chen (University of Massachusetts-Boston)  
  Publicity Chair
- Ernst Leiss (University of Houston)  
  Panel Session Chair

**Technical Program Committee**

- Wenyaw Chan (University of Texas-HSC at Houston)
- Ping Chen (University of Massachusetts-Boston)
- Siddhartha Dalal (AIG Research, Machine Learning Area Chair)
- Lila Ghemri (Texas Southern University)
- Eduard Hovy (CMU, NLP Area Chair)
- Murat Kantarcioglu (University of Texas-Dallas, Data Mining Chair)
- Ernst Leiss (University of Houston)
- David Marchette (NSWC, Statistics Area Chair)
- Rakesh Verma (University of Houston, TPC Chair)
- Shouhuai Xu (University of Texas – San Antonio)

**Important Dates**

- Paper Submission Deadline: Dec. 7, 2014, 11.59pm PDT (Firm deadline);
- Acceptance Notification: Dec. 27, 2015;

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