

Second International Workshop On Artificial Intelligence To Security

— AITS 2022

Xiaofeng Lu
School of Cyberspace Security
Beijing University of Post and Telecommunications
Beijing, China
Luxf@bupt.edu.cn

Pietro Lio
Computer Laboratory
University of Cambridge
United Kingdom
pl219@cam.ac.uk

On behalf of the Organizing Committee, it is our pleasure to welcome you to the second International Workshop on Artificial Intelligence To Security (AITS). AITS workshop will be held in conjunction with the 52th IEEE/IFIP International Conference on Dependable Systems and Networks (DSN) on 27 June 2022.

With the development of the Internet, cyber security becomes more and more important. Facing the increasingly cyber-attack, the traditional methods to protect the information system are becoming lagging and powerless. Fortunately, artificial intelligent technology offer a completely new and challenging opportunity to the security practitioners. Cyber security intelligent analytics is among one of the fastest growing interdisciplinary fields of research bringing together researchers from different fields such as information security studies, criminology, cyber security, big data analytics, machine learning, etc. to detect, contain and mitigate advanced persistent threats and fight against malicious cyber activities (e.g. organized cyber crimes and state-sponsored cyber threats).

The aim of the second Internet Workshop on Artificial Intelligence To Security (AITS 2022) is to provide a platform to the researchers and practitioners from both academia as well as industry to meet and share knowledge and results in theory, methodology and applications in cyber security using intelligent technology, such as machine learning and deep learning. The workshop looks for significant research results, projects, surveying works and industrial experiences in cyber security fields, using intelligent technology to deal with emerging security threats.

We received 21 regular paper submissions this year, of which we accepted 12 regular papers and 2 short paper. The papers were selected by the program committee based on reviews and online discussion – each paper was reviewed by three or four PC members.

We would like to thank the program committee members for their collective efforts in reviewing the papers, and for helping us develop the workshop program. Moreover, we would like to thank the organizers of the DSN conference for their help and support of the AITS workshop and the community for their valued contributions to the workshop.

Program Committee:

Zongyang Zhang, Beihang University
Cheng Huang, Sichuan University
Yonghao Gu, Beijing University of Posts and Telecommunications
Yuqing Zhang, Ncnipc
Qixu Liu, Institute of Information Engineering, Chinese Academy of Sciences
Xin Wang, University of Maryland, Baltimore County
Ding Wang, Peking University
Guangquan Xu, Tianjin University
Zhiwen Pan, Institute of Information Engineering, Chinese Academy of Sciences
Shengwei Yi, Beihang University
He Wang, Xidian University
Youwen Zhu, Nanjing University of Aeronautics and Astronautics
Anmin Fu, Nanjing University of Science and Technology
Guangxia Xu, Chongqing University of Posts and Telecommunications
Juhua Pu, Beihang University
Chundong Wang, Tianjin University Of Technology
Junbo Wang, Sun Yat-sen University
Junfeng Tian, Hebei University
Yupeng Hu, Hunan university
Yong Yu, Shaanxi Normal University
Donghai Tian, BIT
Lipeng Song, Shandong University
Mingfu Xue, Nanjing University of Aeronautics and Astronautics
Zhanyong Tang, Northwest niversity
Huaqun Wang, NanJing University of Posts and Telecommunications (NJUPT)
Ning Li, Harbin Institute of Technology
Siguang Chen, NJUPT
Yongkai Fan, China University of Petroleum
Xiaobo Ma, Xi'an Jiaotong University
Chenxu Wang, Xi'an Jiaotong University
Jingyu Feng, XUPT
Ping Yi, Shanghai Jiao Tong University