The title of the paper

ZHANG San1, SMITH Peter M2, LI Si3

1. XXXX XXXX XXXX XXXX, Beijing 100000, China

2. XXXX XXXX XXXX XXXX, Cambridge CB21QY, UK

3. XXXX XXXX XXXX XXXX, Beijing 100000, China

**Abstract:** Journal of Communications and Information Networks (JCIN)is an English language academic journal cosponsored by China's

Ministry of Industry and Information Technology and Posts & Telecom Press, and published by China InfoCom Media Group.

**Keywords:** network security; multi-step attack; intrusion detection; sequential pattern; privacy protection; data mining

**1 Introduction**

JCIN[1] is a quarterly publication focusing on the emerging fields of communications and information networks, publishing innovative and transformative research papers and will be formally published in the first quarter of 2016. In refs.[2,11]. The general scope ranges from theoretical contributions to practical implementation, and includes, but is not limited to the following: broadband wireless communications, optical communications, satellite communications, high altitude platform communications, software defined radio, cognitive radio networks, mobile Ad hoc networks, software defined networks, multimedia communications, Internet of things, cyber security, network management.

**2 The proposed method**

Journal of Communications and Information Networks quarterly publishes state-of-the-art articles on research of communications and information networks, as well as reviews and forums on issues of interest. Emphasis is placed on providing the reader with emerging and advanced information of fundamental theory, technical developments, research issues, and new applications to meet the needs of future trends.

**3 Framework for the model**

The first editorial committee conference of Journal of Communications and Information Networks has been held on December 22, 2015, in Beijing, hosted by Posts & Telecom Press. Academician Yu Quan, Academician Lu Jianhua, Deputy Director Wang Xiaodan and other 23 Editors have attended the

activity. PPMAC framework is shown in Fig.1

In the free discussion, every member offered advice and suggestions for the journal’s development. Contents should be closely linked with national development strategies. The target should be strengthening international exchange and cooperation. Columns should be forward-looking subjects，such as information theory, cyberspace security, 5G,Cognitive radio networks, etc.



**Figure 1** PPMAC framework

**3.1 Program comprehension**

**Figure** 2 Scalability: min-sup’s effect on the runtime with different methods. (a) Attack scenario time window is 2 hours; (b) Attack scenario time window is 6 hours.

Scalability: min-sup’s effect on the runtime with different methods is shown in Fig.2.

**3.2 Change impact analysis**

**4 Case study**

**4.1 Subject program**

**4.2 Measure**

**5 Experimental evaluation**

**6 Conclusion and future work**

Academician Yu made a summary. During the conference, the journal organization works have been well addressed, while the target of the journal in 2016 has been determined. The journal in 2016 will be edited and published quarterly, where 4 issues

are defined. A digital periodical platform will be established.

We should learn experience from excellent editorial department, ensure the quality and quantity of contributions, reduce the cycle for manuscript evaluation to make sure the timely publication of innovative research results, establish scientific editing system, and strengthen the propaganda via the popular media.

See the example in Tab.1.

**Table 1** Example of raw intrusion alerts and protected intrusion alerts (*k* = 2)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| protocol | source-IP | source-port | saw intrusion alerts | | protected intrusion alerts (*k* = 2) | | attack-type |
| destination-IP | destination-port | destination-IP | destination-port |
| TCP | 10.10.1.20 | 44355 | 10.10.2.254 | 8080 | 10.10.\*.\* | \* | community SIP TCP/IP message flooding directed to SIP proxy |
| TCP | 147.4.10.50 | 166 | 127.2.19.7 | 2844 | 127.2.19.\* | \* | bad-traffic SYN to multicast address |
| TCP | 110.121.50.119 | 25978 | 127.2.19.20 | 2844 | 127.2.19.\* | \* | bad-traffic SYN to multicast address |
| TCP | 123.122.12.120 | 43345 | 10.10.3.254 | 63322 | 10.10.\*.\* | \* | bad-traffic loopback traffic |

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**About the authors**

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| C:\通信与信息网络学报\公共信息资料\yinyingtouxiang.jpg | ZHANG San was born in ... . He received  the B.E. degree in electronic engineering  from China University of Mining  and Technology. He is now a Ph.D.  candidate of ... . His research interests  include ... and ... . (Email: ...@ ...) | C:\通信与信息网络学报\公共信息资料\yinyingtouxiang.jpg | SMITH Peter M. [corresponding author] was born in ... . He received the Ph.D. degree in electronic engineering from Cambridge University, UK. He is now a doctor candidate of ... . His research interests include ... and ... . (Email: ...@ ...) |