

2016 年网络和通信安全国际学术会议
2016 International Conference on Network and
Communication Security
June 11-12, 2016
Beijing, China

NCS 2016
Program Book

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SCHEDULE OF THE CONFERENCE

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Saturday, June 11 2016

10:00-16:30

Conference Registration, WAN FANG YUAN HOTEL, BEIJING, China

Sunday, June 12 2016

9:00-9:10

Opening Ceremony, 7F, No.8 Conference Room (第八会议室)

9:10 -9:40

Keynote Speech

9:40-10:00

Tea Break

10:00-12:00

Oral Presentation

12:00-14:00

Lunch, Dining Room, 2F, Caesar's restaurant (凯撒西餐厅)

14:00-14:40

Oral Presentation , Meeting Room, 7F, No.8 Conference Room (第八会议室)

14:40-15:00

Tea Break

15:00-

Oral Presentation

Keynote Speakers



Professor, Department of Mathematics, Nanjing University, Nanjing, China

Biography:

Wanyang Dai received his Ph.D degree in applied mathematics jointly with industrial engineering and systems engineering from Georgia Institute of Technology, Atlanta, GA, U.S.A., in 1996, where he worked on stochastics and applied probability concerning network performance modeling and analysis, algorithm design and implementation via stochastic diffusion approximation. The breakthrough results and methodologies developed in his thesis were cited, used,

and claimed as "contemporaneous and independent" achievements by some other subsequent breakthrough papers that were presented as "45 minute invited talk in probability and statistics" in International Congress of Mathematicians (ICM) 1998, which is the most privilege honor in the mathematical society. The designed finite element-Galerkin algorithm to compute the stationary distributions of reflecting Brownian motions (the weak solutions of general dimensional partial differential equations) is also well-known to the related fields.

He was a MTS (permanent) in End-to-End Network Architecture Department of AT&T Bell Labs and then (Alcatel-)Lucent Bell Labs/Network Systems, Atlanta, GA and Warren, NJ, U.S.A., from 1996-1999, where he was principal investigators and developers of several projects in telecommunication network architecture and design, network performance and financial engineering, operating system and database development to support various intelligent engines/models for strategy planning and big data analysis in a "Plug-in and Play" manner, with some (nowadays called cloud computing) project won "Technology Transfer".

He is a full professor since 2004 in Nanjing University, where his research includes stochastic processes related optimization and optimal control, admission/scheduling/routing protocols and performance analysis/optimization for cloud computing and the next generation of wireless and wireline communication systems, forward/backward stochastic (ordinary/partial) differential equations and their applications to queueing systems, stochastic differential games, communication networks, financial engineering. His "influential" papers are published in "big name" journals including Operations Research and Queueing Systems.

He is Editors-in-Chief of International Journal of Information Engineering, Journal of Advances in Applied Mathematics, editors or members of editorial boards of over 30 international journals ranging from pure mathematics to its applications, General Chairs, invited plenary/keynote speakers, TPC members of over 30 IEEE and other international conferences, member/group leader of judge committee in mathematics for National Natural Science Awards of China, Vice Presidents and Standing Directors of several probability, statistics, and operations research societies.

He was a visiting scholar in Academy of Mathematics and Systems Science of China, Beijing, China, in 2001, a Long Term Participant of IMA Annual Program of Probability and Statistics in Complex Systems: Financial Engineering, Communication Networks and Genomics in Institute of Mathematics and Its Applications (IMA), Minneapolis, U.S.A., in 2004, a visiting professor in Department of Systems Engineering and Engineering Management in Chinese University of Hong Kong, Hong Kong, China, in 2007.

Oral Presentation Overview

| ID | Paper ID | Title |
|----|----------|---|
| 1 | N097 | A Flexible Scheme of Garbled Random Access Stored-program Machine |
| 2 | N096 | Electromagnetic Spectrum Analysis Based Hardware Trojan Detection Methodology |
| 3 | N139 | ARMuc: An Intelligent Interactive System for Campus |
| 4 | N135 | A Video Sensing Oriented Format-compliant Entropy Coding Encryption Scheme and Embedded Video Processing System |
| 5 | N184 | The Implementation of Video Encryption Network Card |
| 6 | N140 | Camera Calibrating Method for Smart Phone Based on Web Image |
| 7 | N127 | Relay Technology with Unequal Emission Power: Multi-mode Relay |
| 8 | N147 | An Information-center Risk Assessment for Information Security |

Poster Presentation Overview

| ID | Paper ID | Title |
|----|----------|--|
| 1 | N117 | Image Retrieval With Saliency Object Weighted and Bag of Visual Pair |
| 2 | N116 | (n, n+1) Visual Secret Sharing Scheme based on Local Binary Pattern Operator |
| 3 | N168 | A Dual-band Inverted F Antenna with L-slots for WLAN |
| 4 | N137 | Email Network Important Nodes Mining Based on Core Number and PageRank |
| 5 | N141 | Spam Recognition Based on Bayesian Classification |
| 6 | N161 | Direct Position Determination Algorithm Based on Multi-array in the Presence of Gain-Phase Errors |
| 7 | N114 | Multi-level Framework Development of Distributed Underwater Detection System Based on UML Modeling |
| 8 | N171 | Key Node Oriented Black Hole Attack and Detection |
| 9 | N169 | A Strategy of Software Reliability Model Integration Based on Model Measurement |
| 10 | N173 | Multiple Trajectories Feature Detection Technology Based on Data Mining |

Sunday, June 12, 2016

Plenary Session

Meeting Room, 7F, No.8 Conference Room (第八会议室)

9:00-9:10 Opening Speech

9:10-9:40 Keynote Speech

9:40-10:00 Tea Break

10:00-12:00 Oral Presentation

12:00-14:00 Lunch

14:00-Oral Presentation

1. A Flexible Scheme of Garbled Random Access Stored-program Machine (N097)

Fu-Te SHANG, Chuan-Rong ZHANG

2. Electromagnetic Spectrum Analysis Based Hardware Trojan Detection Methodology (N096)

Jia-Ji HE, Yi-Qiang ZHAO, A-Qiang LIU

3. ARMuc: An Intelligent Interactive System for Campus (N139)

Wan-Long MA, Dan ZHANG, Zhe LIU, Xue-Lei SHI

4. A Video Sensing Oriented Format-compliant Entropy Coding Encryption Scheme and Embedded Video Processing System (N135)

Chen XIAO, Li-Feng WANG, Qing-Lei MENG

5. The Implementation of Video Encryption Network Card (N184)

Ting CHEN, Song-Yan LIU, Xu-Ming PAN, Shang-Ru WU

6. Camera Calibrating Method for Smart Phone Based on Web Image (N140)

Feng GE, Dan ZHANG, Yuan-Yuan HUANG, Xue-Lei SHI

7. Relay Technology with Unequal Emission Power: Multi-mode Relay (N127)

Wen-Le BAI, Yu XIAO, Yong-Mei ZHANG, Shu-Qin CAO

8. An Information-center Risk Assessment for Information Security (N147)

Ji-Zhi WANG, Bo HU, Jian-Guo JIANG, Ji-Qiang LIU

CONFERENCE MAP GUIDE



All presentations and activities will be held at WAN FANG YUAN HOTEL, BEIJING

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Tel for Reservation: (+86) 15901471084 or 010-67526666

Email for Reservation: houjiangang8768@126.com

本次 NCS 2016 会议将于 6 月 11-12 日在北京万方苑国际酒店举行

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Any question about NCS 2016, please feel free to contact us at +86 170 8712 7315.

