



ICYCS2008

The 9th International Conference for Young Computer Scientists (ICYCS 2008)

# Introduction to ICYCS 2008 Program

Presenter: Guojun Wang, Central South University, China

Zhang Jia Jie, China, November 19th, 2008



# Program Overview

- ❖ 6 Keynote Speeches for Main Conference
- ❖ 6 Keynote Speeches for Symposiums/Workshops
- ❖ 41 Technical Sessions
- ❖ 29 Symposium/Workshop Sessions
- ❖ 1 Panel Discussion
- ❖ 1 YOCSEF Forum
- ❖ 5 Best Paper Awards
- ❖ 4 Special/Supplement Issues

*Nov. 18-21, 2008*

*Zhang Jia Jie, China <http://www.csu.edu.cn/ICYCS2008>*

# Keynote Speeches (I)

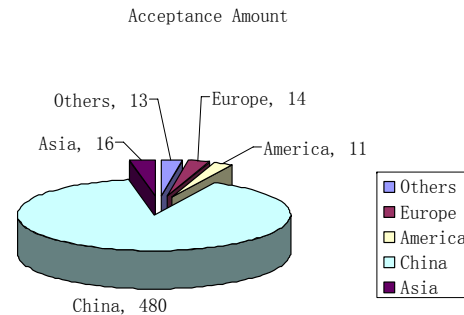
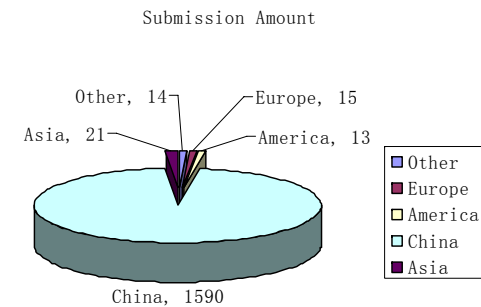
- ❖ **Nov. 18th, Tuesday 14:30-15:30:** “From Trusted Computing to Ubisafe Computing,” *Jianhua Ma (Hosei University, Japan)*
- ❖ **Nov. 18th, Tuesday 14:30-15:30:** “Embrace Future through Innovation,” *Nick Bao (Intel Corporation, China)*
- ❖ **Nov. 18th, Tuesday 14:30-15:30:** “Dynamical Geometry: From Order to Chaos and Sierpinsky Pedal Triangles,” *Jiu Ding (The University of Southern Mississippi, USA)*
  
- ❖ **Nov. 18th, Tuesday 15:30-16:30:** “Securing Pervasive Computing Applications,” *Indrakshi Ray (Colorado State University, USA)*
- ❖ **Nov. 18th, Tuesday 15:30-16:30:** “Discrete Chaos Theory and its Application to Anti-Control of Chaos,” *Yuming Shi (Shandong University, China)*
- ❖ **Nov. 18th, Tuesday 16:30-17:30:** “The Application of Nonlinear Theory in Computer Science,” *Xingyuan Wang (Dalian University of Technology, China)*

# Keynote Speeches (II)

- ❖ **Nov. 19th, Wednesday 09:30-10:00am:** “Combinatorial Analysis of High-Throughput Transcriptomic Biological Data,” *Michael A. Langston (University of Tennessee, USA)*
- ❖ **Nov. 19th, Wednesday 10:00-11:00am:** “How to Prove W-hardness and Why You Might Want to,” *Michael R. Fellows (The University of Newcastle, Australia)*
- ❖ **Nov. 19th, Wednesday 11:30-12:30am:** “Protein Structure Prediction and its Understanding Based on Machine Learning Methods,” *Yi Pan (Georgia State University, USA)*
  
- ❖ **Nov. 20th, Thursday 09:30-10:00am:** “Transaction Calculus,” *Ji-Feng He (East China Normal University, P. R. China)*
- ❖ **Nov. 20th, Thursday 10:00-11:00am:** “Seamless Wireless Mobile Communications for Pervasive Internet Access,” *Jiannong Cao (Hong Kong Polytechnic University, Hong Kong)*
- ❖ **Nov. 20th, Thursday 11:30-12:30pm:** “Mobile and Pervasive Computing: Localization and Modeling,” *Yunhao Liu (Hong Kong University of Science and Technology, Hong Kong)*

# Contributed Papers

- ❖ 1,653 total submissions from 32 countries
- ❖ All papers received at least 3 reviews
- ❖ 534 total acceptances (32.3%) from 31 countries



<b>Country</b>	<b>#Papers Submitted</b>	<b>#Papers Accepted</b>	<b>Submission Rate</b>	<b>Acceptance Rate</b>
China	1590	480	96.19%	30.19%
USA	9	7	0.54%	77.78%
KOREA	6	5	0.36%	83.33%
UK	5	5	0.30%	100.00%
IRAN	4	3	0.24%	75.00%
TAIWAN	3	3	0.18%	100.00%
AUSTRALIA	3	3	0.18%	100.00%
JAPAN	3	3	0.18%	100.00%
INDIA	3	2	0.18%	66.67%
CANADA	2	2	0.12%	100.00%
BRAZIL	2	2	0.12%	100.00%
FRANCE	2	2	0.12%	100.00%
GERMANY	2	2	0.12%	100.00%
NETHERLANDS	2	1	0.12%	50.00%
AUSTRIA	2	2	0.12%	100.00%
SAIDI	2	2	0.12%	100.00%
ITALY	1	1	0.06%	100.00%
SINGAPORE	1	1	0.06%	100.00%
MALAYSIA	1	0	0.06%	0.00%
PAKISTAN	1	0	0.06%	0.00%
OTHER	12	11	0.73%	91.67%
TOTAL	1653	534	-	32.30%

# PC Membership for Main Conference (81)

- ❖ USA (11)
- ❖ Singapore (2)
- ❖ Japan (6)
- ❖ Switzerland (1)
- ❖ Australia (2)
- ❖ Norway (1)
- ❖ Hong Kong (3)
- ❖ Taiwan (3)
- ❖ China (52)

# Technical Sessions (I)

## Tuesday, November 18th

- ❖ TrustCom08-T1A: Trust Model, Propagation and Management
- ❖ TrustCom08-T2A: Trusted Services and Applications
- ❖ TrustCom08-T3A: Cryptography and Security Protocols
- ❖ TrustCom08-T4A: Reliable, Survivable and Fault-Tolerant Computer Systems/Networks
- ❖ IWCSEI08-E1: Education Theory
- ❖ IWCSEI08-E2: Teaching Approach

## Wednesday, November 19th

- ❖ ICYCS08-S3C1A: Network Theory
- ❖ ICYCS08-S4C1A: Information Management System
- ❖ ICYCS08-S1C1A: Data Structures and Algorithms I
- ❖ ICYCS08-S5C1: System Programming
- ❖ ICYCS08-S7C1A: Data Security
- ❖ TrustCom08-T1B: Trust Model, Propagation and Management
- ❖ IWCSEI08-E3: Curriculum Reform
- ❖ IWCFTA08-F1: Chaos-Fractals Theories and Applications
- ❖ ICYCS08-S3C1B: Network Theory
- ❖ ICYCS08-S4C1B: Information Management System
- ❖ ICYCS08-S1C1B: Data Structures and Algorithms I
- ❖ ICYCS08-S5C2A: Application Programming
- ❖ ICYCS08-S7C1B: Data Security
- ❖ TrustCom08-T2B: Trusted Services and Applications
- ❖ IWCSEI08-E4: Curriculum Improvement
- ❖ IWCFTA08-F2: Complex Network Modeling

# Technical Sessions (II)

## Thursday, November 20th

- ❖ ICYCS08-S3C2A: Internet Technology
- ❖ ICYCS08-S4C2A: Computer Graphics and Image Processing
- ❖ ICYCS08-S1C2: Data Structures and Algorithms II
- ❖ ICYCS08-S5C2B: Application Programming
- ❖ ICYCS08-S7C2A: Network Security
- ❖ TrustCom08-T3B: Cryptography and Security Protocols
- ❖ IWCSEI08-E5: Experimental Platform
- ❖ IWCFTA08-F3: Cryptography
- ❖ ICYCS08-S3C2B: Internet Technology
- ❖ ICYCS08-S4C2B: Computer Graphics and Image Processing
- ❖ ICYCS08-S2C1: Computer Systems Design
- ❖ ICYCS08-S5C3A: Software Engineering
- ❖ ICYCS08-S7C2B: Network Security
- ❖ TrustCom08-T4B: Reliable, Survivable and Fault-Tolerant Computer Systems/Networks
- ❖ IWCSEI08-E6: Experiment Design
- ❖ IWCFTA08-F4: Chaotic Dynamics, Control and Optimization

## Friday, November 21st

- ❖ ICYCS08-S3C3A: Wireless Networks
- ❖ ICYCS08-S4C3: Computer Application Model and Development
- ❖ ICYCS08-S2C2: Computer Systems Performance Evaluation
- ❖ ICYCS08-S5C3B: Software Engineering
- ❖ ICYCS08-S7C3: Cryptography
- ❖ TrustCom08-T5A: Access Control and Authentication in Computer Systems/Networks
- ❖ IWCSEI08-E7: Teaching Exploration
- ❖ IWCFTA08-F5: Chaos-Fractals Theories
- ❖ ICYCS08-S3C3B: Wireless Networks
- ❖ ICYCS08-S4C4A: Computer-Aided Design
- ❖ ICYCS08-S8C1: Artificial Intelligence Basics and Semantic Web
- ❖ ICYCS08-S6C1: Computer Processor and Peripheral Technology
- ❖ ICYCS08-S8C2: Natural Language Processing and Logic Reasoning
- ❖ TrustCom08-T6A: Trusted Computing Platform and Trusted Software
- ❖ IWCSEI08-E8: Teaching Experiences
- ❖ IWCFTA08-F6: Chaos Synchronization

# Technical Sessions (III)

*Friday, November 21st*

- ❖ **ICYCS08-S3C3C: Wireless Networks**
- ❖ **ICYCS08-S4C4B: Computer-Aided Design**
- ❖ **ICYCS08-S8C3A: Neural Networks, Pattern Recognition, and Machine Learning**
- ❖ **ICYCS08-S6C2A: Computer Storage Technology**
- ❖ **ICYCS08-S8C4A: Genetic Algorithm, Data-Mining, and Clustering**
- ❖ **TrustCom08-T5B: Access Control and Authentication in Computer Systems/Networks**
- ❖ **IWCFTA08-F7: Fractal-Methods Based on Image Processing**
- ❖ **IWCFTA08-F8: Fractal Market Theory**
- ❖ **ICYCS08-S3C3D: Wireless Networks**
- ❖ **ICYCS08-S4C5: Bioinformatics**
- ❖ **ICYCS08-S8C3B: Neural Networks, Pattern Recognition, and Machine Learning**
- ❖ **ICYCS08-S6C2B: Computer Storage Technology**
- ❖ **ICYCS08-S8C4B: Genetic Algorithm, Data-Mining, and Clustering**
- ❖ **TrustCom08-T6B: Trusted Computing Platform and Trusted Software**
- ❖ **ICYCS08-S3C4: Computer Communications**
- ❖ **IWCFTA08-F9: Secure Communication, Circuits Design and Signal Processing**

# Panel Discussion

## *Killer Applications in Pervasive Computing*

- ❖ **Chair: Prof. Minyi Guo, Shanghai Jiao Tong University, China**
  
- ❖ **Panellist:**
  - Prof. Weijia Jia, City University of Hong Kong, Hong Kong
  - Prof. Minglu Li, Shanghai Jiaotong University,
  - Dr. Yunhao Liu, Hong Kong University of Science and Technology, Hong Kong
  - Dr. Nicolai Kuntze, Fraunhofer Institute for Secure Information Technology, Germany
  - Dr. Jingyu Zhou, Shanghai Jiao Tong University, China
  
- ❖ **Room 1, 14:00-17:00, November 20, 2008 (Thursday)**



# YOCSEF Forum

## *What Can We Do in the Face of Country Demand in China?*

### ❖ **Invited Speakers:**

- Prof. Dafang Zhang, Hunan University, China
- Prof. Shimin Hu, Tsinghua University, China
- Prof. Kerong Ben, Naval University of Engineering, China
- Prof. Minglu Li, Shanghai Jiao Tong University, China

### ❖ **Executive Chairs:**

- Prof. Guojun Wang, Central South University, China
- Prof. Xinjun Mao, National University of Defense Technology, China
- Prof. Zhigang Chen, Central South University, China
- Prof. Junmin Ye, Wuhan University, China

### ❖ **Room 1, 14:00-18:00, November 19, 2008 (Wednesday)**

## **BEST PAPER AWARD (1)**

**Yanqin Yang, Zili Shao, Linfeng Pan, and Minyi Guo**

**Your paper “ISOS: Space Overlapping Based on Iteration Access Patterns for Dynamic Scratch-Pad Memory Management in Embedded Systems” presented in “The 9th International Conference for Young Computer Scientists (ICYCS 2008)”, Zhang Jia Jie, Hunan, China, November 18-21, 2008, has been granted the “Best Paper Award”.  
Congratulations!**

**ICYCS08 Session S6C2B (Room R6)**

## **BEST PAPER AWARD (2)**

**Jintao Tang, Ting Wang, and Ji Wang**

**Your paper “Information Flow Detection and Tracking on Web 2.0 BLOGS Based on Social Networks” presented in “The 9th International Conference for Young Computer Scientists (ICYCS 2008)”, Zhang Jia Jie, Hunan, China, November 18-21, 2008, has been granted the “Best Paper Award”.  
Congratulations!**

**ICYCS08 Session S8C1 (Room R5)**

## **BEST PAPER AWARD (3)**

**Shuqin Wang, Chunbao Zhou, Yingsi Wu, Jianxin Wang, Chunguang Zhou, and Yanchun Liang**

**Your paper “A Novel Approach for Classifying Human Cancers” presented in “The 9th International Conference for Young Computer Scientists (ICYCS 2008)”, Zhang Jia Jie, Hunan, China, November 18-21, 2008, has been granted the “Best Paper Award”. Congratulations!**

**ICYCS08 Session S4C5 (Room R3)**

## **BEST PAPER AWARD (4)**

**Kun Huang and Dafang Zhang**

**Your paper “A Byte-Filtered String Matching Algorithm for Fast Deep Packet Inspection” presented in “The 2008 International Symposium on Trusted Computing (TrustCom 2008)”, in conjunction with “The 9th International Conference for Young Computer Scientists (ICYCS 2008)”, Zhang Jia Jie, Hunan, China, November 18-21, 2008, has been granted the “Best Paper Award”.  
Congratulations!**

**TrustCom08 Session T3A (Room R9)**

## **BEST PAPER AWARD (5)**

**Fangfang Chen, Fangyue Chen,  
Weifeng Jin, and Lin Chen**

**Your paper “Topological Entropy and Complexity of One Class of Cellular Automata Rules” presented in “The 2008 International Workshop on Chaos-Fractals Theories and Applications (IWCFTA 2008)”, in conjunction with “The 9th International Conference for Young Computer Scientists (ICYCS 2008)”, Zhang Jia Jie, Hunan, China, November 18-21, 2008, has been granted the “Best Paper Award”.  
Congratulations!**

**IWCFTA08 Session F5 (Room R10)**



# Special/Supplement Issues

- ❖ **Special Issue/Journal of Computer Science and Technology (JCST)**
- ❖ **Supplement Issue/Journal of Software (JOS)**
- ❖ **Special Issue/Journal of Computers (JCP)**
- ❖ **Special Issue/Security and Communication Networks (SCN) for TrustCom-08**



# Banquet

❖ **Venue:**

Taihe Banquet Hall at Wulingyuan International Resort

❖ **Time:**

18:30-20:30 Wednesday, November 19, 2008



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*Thank You!*

*Zhang Jia Jie, China*

*November 19, 2008*