

# ICMLC2008 Invited Session Proposal

**Session Title:** Information Security

**Description:** Our quality of life has increased rapidly in the past decades due to the development and application of information technology. However, information technology has also provided new opportunities for criminals and terrorists. For example, steal financial information, empty bank accounts, obtain loans fraudulently, sell copyright software illegally, and attack on critical information infrastructures. Therefore, it is essential to enhance the security of current information technology systems, to prevent illegal or criminal activities or to detect them when they occur. Information security is a key issue in economic and social development. The development and broad application of information technologies have brought with them unprecedented challenges to the security of the world. In response, algorithms, protocols, architectures, and systems have been developed; biometrics research has improved the security of access control and authentication; digital information hiding techniques are used to protect copyright, etc. In this Invited Session, original research papers are solicited in all areas of information security. Papers must contain high-quality previously unpublished work. Topics of interest include, but are not limited to, the following:

**Submission Topics:**

- Authentication protocols
- Biometrics recognition and authentication
- Cryptography
- Data and system integrity
- Information hiding and digital watermarking
- Multimedia assurance
- Multimedia information retrieval
- Operating systems security
- Risk assessment
- Trusted computing
- Video surveillance in public domain
- Vulnerability, exploitation tools, and virus/worm analysis
- Other information security topics

**Submission Method:** Authors must submit an electronic copy (in word or pdf) of their complete manuscript directly to the Session Chairs ([zuoxd@beijingit.gov.cn](mailto:zuoxd@beijingit.gov.cn)) on or before 1st March, 2008. The email should be entitled "*ICMLC2008 Invited Session*".

**Session Chairs:**

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| Dr Xiaodong Zuo | State Key Lab of Information Security, Chinese Academy of Sciences, China |
| Dr Dacheng Tao  | Department of Computing, The Hong Kong Polytechnic University, China      |
| Dr Jialie Shen  | Singapore Management University, Singapore                                |
| Dr Kaiqi Huang  | Institute of Automation, Chinese Academy of Sciences, China               |
| Dr Yuan Yuan    | School of Engineering and Applied Science, Aston University, U.K.         |