# 2010 年安全探测与信息处理学术交流会论文征集

# 中国•合肥

# 2010 年 11 月

**主办单位：**中国科学院合肥智能机械研究所

**协办单位：**中国科学技术大学 ，公安部第一研究所，Elsevier、《模式识别与人工智能》

**时间：**2010 年 11 月 12-14 日

**地点：**中国.合肥

## 会议简介：

　　近年来，爆炸物与毒品成为危害社会的重大安全隐患，如何有效的检测毒品和爆炸物成为国内外研究热点。2010 年安全探测与信息处理会议将于 2010 年 11 月在安徽合肥召开，该会议将为国内高校、研究机构的专家、学者、研究人员以及工程技术人员在安全检测、核物理与探测方法、信号处理与模式识别领域提供相互探讨、技术交流与合作的平台。

## 会议组织:

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| **会议主席：** | **柴之芳** | 院士 | 中科院高能物理研究所 |
| **会议执行主席：** | **刘锦淮** | 研究员 | 中科院合肥智能机械研究所 |

**会议学术委员会：**

| | | | |
|---|---|---|---|
| | **江超华** | 教授 | 北京大学 |
| | **吴宜灿** | 研究员 | 中科院等离子体物理研究所 |
| | **周贵恩** | 教授 | 中国科学技术大学 |
| | **汪增幅** | 教授 | 中国科学技术大学 |
| | **徐光华** | 教授 | 西安交通大学 |
| | **程 洪** | 教授 | 电子科技大学 |

## 征稿范围及要求:

➢ **核物理及其应用：**
- 核物理理论与计算方法
- 核物理实验数据获取与处理
- 核探测技术与谱仪
- 核探测技术在生物、医学与材料学中的应用
- 核探测设备与安全防护
- 同步辐射技术及其应用

➢ **信息处理方法与技术：**
- 计算机断层（CT）与锥束断层扫描（CCT）的图像重构与识别
- 信号处理与模式识别
- 信号处理与模式识别的其他方法与应用

➢ **安全检测的新方法新理论：**
- 光谱、超声、电磁等安全探测技术
- 安全检测设备与仪器的研制与开发

- 安全检测的信息处理与软件

# 论文提交:

  提交的摘要和正文均为英文，摘要 200-400 字。正文 3-10 页，word 格式，正文应包括结果、图、表格和参考文献，提交到邮箱 **myzhang@iim.ac.cn** 。论文的研究结果、实验或者理论必须为首次发表，已录用稿件不得以任何方式重新发表。论文模板下载地址：http://www.iim.ac.cn/gg/SSDIP2010/SSDIP2010.asp

所有被录用的稿件将由 **Elsevier** 《**special Engineering Procedia**》出版，**Science Direct** 数据库收录并提交 **EI** 数据库。

# 会议注册:

每篇论文至少有一名作者注册并参加会议，普通注册费用为 1800 元人民币，学生注册 900 元，优秀论文可以适当减免，注册费包括：

  Elsevier 出版的论文集 1 本
  参加会议所有程序
  就餐与茶歇
  会议纪念品
  欢迎接待
  参观

组委会推荐住宿宾馆并统一安排交通，联系周边及省内旅游（费用自理）。

# 重要日期 Important Date：

摘要截稿日期：2010 年 9 月 15 日      全文提交时间：2010 年 10 月 15 日
全文录用通知：2010 年 10 月 20 日      会议注册时间：2010 年 11 月 1 日
会议举办时间：2010 年 11 月 12 日-14 日

# 会议秘书处 ：

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会议地点：安徽合肥市科学岛

# 2010 Symposium on Security Detection and Information Processing

## Hefei · China

## 11-2010

**The organizer:** Institute of Intelligent Machines, Chinese Academy of Sciences

**The co-organizer:** University of Science and Technology of China, The First Research Institute of Ministry of Public Security of P.R.C, Elsevier，and the magazine of Pattern Recognition and Artificial Intelligence

**Date:** November **12-14,** 2010

**Location:** Hefei, P.R.C

**About Conference:**



 In recent years, explosives and drugs become an increasing security risk. Detection of explosives and drugs has been widely focused. 2010 Symposium on Security Detection and Information Processing will be held in hefei, Anhui, in November 10-13, 2010. The main objective of this symposium is to provide a forum for experts, scholars, researchers, and engineers involved in the general areas of security detection, nuclear physics, detection technology, signal processing and pattern recognition to disseminate their latest research results and exchange views on the future research directions of the related fields.

## Conference Committee:

### Conference Chairs：
Academician of CAS, Prof. Chai Zhifang, Institute of High Energy Physics, Chinese Academy of Sciences

### Conference Presiding Chairs：
Prof. Liu Jinhuai, Institute of Intelligent Machines, Chinese Academy of Sciences

### Conference Academic Committee:
Prof. Wu Yican, Institute of Plasma Physics, Chinese Academy of Sciences

Prof. Jiang Chaohua, Peking University

Prof. Zhou Guien, University of Science and Technology of China

Prof. Wang Zengfu, University of Science and Technology of China

Prof. Xu Guanghua, Xi'an Jiaotong University

Prof. Cheng Hong, University of Electronic Science and Technology of China

## Call for Papers:

**This conference is interested in but not limited to the following topics:**

➢ Nuclear physics and its application:
- The theory and calculation method of nuclear physics;
- The application of nuclear detection technology in biology, medicine and material science;
- Nuclear detection technology and spectrometer;
- Acquisition and processing of experimental data in nuclear physics;
- Instrument of nuclear detection and safety protection;
- The technology of synchrotron radiation and its application.

➢ Methods and technology of information processing:
- Reconstruction and recognition of image in CT and CCT;
- Processing and pattern recognition of multidimensional signal;
- Other methods of data processing and pattern recognition and their application.

➢ New method and new theory of security detection:
- The technology of security detection, such as spectra, ultrasonic and electromagnetic;
- Research and development of security detection instrument;
- Information processing and software of security detection.

# Paper Submission：

Prospective authors are kindly invited to submit full text papers including results, tables, figures and references. The minimum length of manuscripts will be 3 printed pages and the maximum will be 10 printed pages. Full text papers ( .doc) will be accepted   by Email myzhang@iim.ac.cn. All submitted articles should report original, previously unpublished research results, experimental or theoretical. Articles submitted to the Conference should meet these criteria and must not be under consideration for publication elsewhere. Manuscripts should follow the style of the Conference and are subject to both review and editing.

All the accepted paper submitted to the Symposium will be published in special Engineering Procedia by Elsevier. Please download the CRC template (Elsevier CRC package, which requires LaTeX 2e for use) from the following website:

**http://www.iim.ac.cn/gg/SSDIP2010/SSDIP2010.asp**

The proceeding will be sent to `Science Direct` for being indexed by Engineering Index (EI).

# Conference Registration:

At least one author per paper to register and pay RMB 1800, student register pay RMB 900, authors registration fee includes:

- Participation in the technical program
- Lunch
- Badge
- Conference bag and/or conference accessories
- Conference document (proceedings on book)
- Coffee breaks

- Welcome reception

## Important Date：

Abstract submission: September 15, 2010
Full Paper submission: October 15, 2010
Notification of acceptance: October 20, 2010
Registration: November 1, 2010
Symposium: November 12-14, 2010

## Contact Us:

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