



## 简 历


地址：北京 2704 信箱-JDL, 100080

电话：010-58858300-337 (O)

手机：

E-MAIL: [yhtian@jdl.ac.cn](mailto:yhtian@jdl.ac.cn); [yhtian@ict.ac.cn](mailto:yhtian@ict.ac.cn)

主页：<http://www.jdl.ac.cn/user/yhtian/index.htm>

姓 名	田永鸿	政治面貌	群众	婚 否	已婚	
性 别	男	年 龄	1975.7	籍 贯	四川	
民 族	汉	学 位	工学博士	职 称	助理研究员	
专 业	计算机应用技术			毕业时间	2005.7	
现工作 单 位	中国科学院计算技术研究所 数字媒体研究中心			职 位	课题组长	
研究方向：多媒体分析、管理、检索与版权保护，机器学习，数据挖掘						

### 自我评价：

具有良好的专业技能和研究能力，发表论文近 30 篇，其中以第一作者发表国际期刊论文 5 篇。

具有丰富的研发经历，参与多项国家 863、中科院知识创新工程等项目，取得 2 项软件著作权，有 2 项专利正在申请中。

富于团队精神，具有高度的责任心，长期担任实验室课题组长，具有丰富的团队管理和系统设计经验。学习能力强，个性乐观。

### 教 育 与 工 作 经 历

2005.7—	中国科学院计算技术研究所工作	助理研究员
2000.9—2005.7	中国科学院计算技术研究所计算机应用专业学习	博士研究生
1997.9—2000.7	电子科技大学计算机学院计算机软件与理论专业学习	硕士研究生
1993.9—1995.12	电子科技大学计算机系计算机科学与工程专业学习	
1994.8—1997.8	四川省德阳市化工厂工作	技术员
1990.9—1994.7	四川省技术监督学校学习	

### 研 究 与 工 程 经 历

- ◇ (研究课题)中美百万册数字图书馆支撑软件平台开发课题，863 国际科技合作重点项目(10/2003 -11/2005)：主要研究人员及课题组长，主要负责多媒体检索、系统软件设计。
- ◇ (研究课题)数字资源的知识组织与挖掘课题，教育部中美百万册数字图书馆项目(01/2004 -06/2006)：主要研究人员及课题组长，主要负责多媒体挖掘和语义多媒体检索。
- ◇ (研究课题)网络教育关键技术及示范工程“网络教育资源管理系统”课题，国家“十五”科技攻关项目(09/2001—12/2004)：课题组长，主要负责项目管理。
- ◇ (研究课题)国家科学数字图书馆“网络智能搜索技术”课题，中国科学院知识创新工程重大基础设施建设专项(01/2002-12/2002)：主要研究人员及课题组长，主要负责超链分析技术与 Web 分类技术。
- ◇ (研究课题) Context-Driven Semantic Extraction & Retrieval for Sports Video (CSVSR)，NEC 中国研究院支撑课题(12/2003-12/2005)：(首期)课题组长，负责课题申请与研究方案的设计。
- ◇ (研究课题)面向 4C 融合的数字媒体处理和检索系统，中国科学院知识创新工程重点项目(10/2000-06/2003)：研究助理，主要负责文本图像的挖掘与检索。
- ◇ (工程项目)四川省电信管理系统(97 工程)(04/1998 - 07/1998)：软件工程师。
- ◇ (工程项目)四川省新电信计费帐务系统(08/1998 - 08/1999)：软件工程师及数据库分析员，曾担任项目经理。
- ◇ (工程项目) AIDM: 亚信公司移动通信服务数据挖掘软件系统(11/2002-03/2003)：首席软件设计师。
- ◇ 参与课题申请及研究的其他课题还有：中国科学院研究生院网络教育系统；建设部国家数据交换中心软件系统等。

### 专 利 与 软 件 著 作 权

[1]专利：基于上下文的半结构化数据语义提取的处理方法。田永鸿、黄铁军、高文，专利申请号：

200410086746.5。

[2]**专利**: 支持快速检索教育资源元数据的管理方法及其实现。黄铁军、田永鸿、康平波等, 专利申请号: 200410086745.0。

[3]**软件著作权**: 基于知识的智能化网络资源分析工具。田永鸿、黄铁军等。编号: 2003SR5216。

[4]**软件著作权**: iMedia 网络教育资源管理系统。田永鸿、黄铁军等。编号: 2004SR00799。

## 所 发 表 论 文

### 学位论文

[1]**硕士论文**: 基于数据仓库的分布式智能决策支持系统研究与应用, 电子科技大学计算机学院, 2000年7月。

[2]**博士论文**: 基于上下文的统计关系学习研究, 中国科学院计算技术研究所, 2005年6月。

### 国际期刊论文: 共7篇, 其中以第一作者发表5篇

[1]**YongHong Tian**. Context-Based Statistical Relational Learning. *AI Communications*, Accepted for Publication [SCI].

[2]**YongHong Tian**, Tiejun Huang, Wen Gao. Latent Linkage Semantic Kernels for Collective Classification of Link Data. *Journal of Intelligent Information Systems*, 26(3), May 2006, 269-301[SCI].

[3]**YongHong Tian**, Qiang Yang, Tiejun Huang, Charles X. Ling and Wen Gao, Learning contextual dependency network models for link-based classification. *IEEE Transaction on Knowledge and Data Engineering*, 18(11), Nov 2006 [SCI].

[4]**YongHong Tian**, Tiejun Huang, Wen Gao. Two-phase Web site classification based on Hidden Markov Tree models. *International Journal: Web Intelligence and Agent System*, 4(2), 2004, 249 – 264 [EI].

[5]**YongHong Tian**, Tiejun Huang, Wen Gao. Exploiting multi-context analysis in semantic image classification. *Journal of Zhejiang University SCIENCE*, 2005 6A(11):1268-1283 [EI].

[6]Tiejun Huang, **YongHong Tian**, ChunLi Wang, XiaoDong Shi, Wen Gao. Towards a multilingual, multimedia and multimodal digital library platform. *Journal of Zhejiang University SCIENCE*, 2005 6A(11):1188-1192 [EI].

[7]Yue Wu, **YongHong Tian**, WanLei Zhou, The Development of A Mobile Decision Support System, *Journal of Interconnection Network, Special Issue on Network-Based Parallel Computing*, Sep. 2001, Vol. 2(3). Also appeared in the proceedings of 4<sup>th</sup> International Conference on Algorithms and Architectures for Parallel Processing, HK, China, Dec, 2000.

### 国内期刊论文: 共4篇, 其中以第一作者发表2篇

[1]田永鸿、黄铁军、高文: The Influence Model of Online Social Interactions and its Learning Algorithms. *计算机学报*, 第28卷第7期, 2003年7月[EI].

[2]田永鸿、黄铁军、高文: 基于多粒度树模型的Web站点描述及挖掘算法. *软件学报*, 第15卷第9期, 2004年9月[EI].

### 会议论文: 共15篇, 其中以第一作者在国际会议上发表7篇

[1]**YongHong Tian**, Tiejun Huang, Wen Gao, Jun Cheng, PingBo Kang, Two-Phase Web Site Classification Based on Hidden Markov Tree Models, in *Proceedings of IEEE/WIC International Conference of Web Intelligence (WIC 2003)*, Halifax, Canada, Oct. 2003[EI].

[2]**YongHong Tian**, Wen Gao, Tie-Jun Huang. *Context-Based Classification for Link Data*. In *Proceedings of International Conference on Web-Based Learning*, 233-240, Aug.2004, Beijing, China. *Lecture Notes in Computer Science 3143*, Springer[SCI].

[3]**YongHong Tian**, Tiejun Huang, Wen Gao, A Web Site Mining Algorithm Using the Multiscale Tree Representation Model, in *Proceedings of WEBKDD'03 workshop of the ACM KDD-2003 conference*, Washington DC, U.S.A, Aug, 2003.

[4]**YongHong Tian**, Zheng Mei, Tiejun Huang, Wen Gao, Incremental Learning for Interaction Dynamics with the Influence Model, in *Proceedings of LINKKDD'03 workshop of the ACM KDD-2003 conference*, Washington DC, U.S.A, Aug, 2003.

[5]**YongHong Tian**, Tiejun Huang, Wen Gao, Algorithms of Integrated Student Modeling in Online Virtual Educational Community, in *Proceedings of 3<sup>rd</sup> International Conference of Info-tech & Info-net*, Beijing, P.R. China, Oct, 2001

[6]**YongHong Tian**, Tiejun Huang, Wen Gao, Quantitatively Evaluating the Influence of Online Social Interactions in the Digital Library, in *Proceedings of IEEE/ACM Joint Conference of Digital Library*, Portland, USA, Jul. 2002 [EI].



# RESUME


**Add:** P.O.Box 2704-JDL, Beijing, 100080, China

**Tel:** 010-58858300-337(O)

**Mobile:**

**E-MAIL:** yhtian@jdl.ac.cn; yhtian@ict.ac.cn

**Homepage:** <http://www.jdl.ac.cn/user/yhtian/index.htm>

<b>Name</b>	Yonghong Tian	<b>Political Status</b>	None	<b>Marital Status:</b>	Married	
<b>Gender:</b>	Male	<b>Date of Birth:</b>	1975.7	<b>Place of Birth:</b>	Sichuan Province	
<b>Nationality</b>	Han	<b>Academic Degree:</b>	Ph.D	<b>Professional Title:</b>	Lecturer	
<b>Major</b>	Computer Application			<b>Date of Graduation</b>	2005.7	
<b>Current Employer</b>	Digital Media Lab, Institute of Computing Technology, Chinese Academy of Sciences			<b>Position</b>	Researcher and Team Leader	
<b>Research Interest:</b> Multimedia Analysis, Management, Retrieval and Right Protection Machine Learning, Data Mining						

## Self Assessment:

**Good professional skills and excellent research capability:** Published about 30 high-quality academic papers, among which 5 papers have been/ will be published in the well-known international journals (as first author).

**Rich R&D experience:** Undertook about 10 projects supported by funds such as 863 Plan of China, Chinese tenth "Five-year" Plan, and "Knowledge Innovation Initiative" of CAS; Had 2 patents in process and obtained 2 warranted software copyrights.

**Team-work spirit:** Be the team leader since 2002; Have rich team management and system design experience

**Character:** Honest, Hardworking, Reliable, Warmhearted, Independent, Cooperative and Creative

## EDUCATIONAL AND CAREER EXPERIENCE

2005.07-Present	Lecturer	Institute of Computing Technology, Chinese Academy of Science
2000.09-2005.07	Ph. D candidate	Institute of Computing Technology, Chinese Academy of Science Major: Computer Application
1997.09-2000.07	MS candidate	Computer Science Department, Univ. of Electronic Sci. & Tech. of China Major: Computer Software and Theory
1993.09-1995.12	Diploma study	Computer Science Department, Univ. of Electronic Sci. & Tech. of China Major: Computer Science and Engineering
1994.08-1997.08	Technician	Sichuan Deyang Chemical Plant
1990.09-1994.07	Tech Education	Sichuan Quality Supervision and Inspection Technical School

## ACADEMIC & RD EXPERIENCE

✧ **(Research)** The software platform design and implementation project for China-US Million Book Digital Library, supported by 863 International Cooperation Plan of China, (10/2003 -11/2005 ) (Research on multimedia retrieval & system design): *Main Researcher and Team Leader*

✧ **(Research)** The knowledge organization and mining for China-US Million Book Digital Library, supported by Joint Digital Library Federation of U.S. and Ministry of Science & Technology of P.R. China (01/2004- 06/2006) (Research on multimedia mining & semantic-based retrieval): *Main Researcher and Team Leader*

✧ **(Research)** The key technologies and demonstration projects on network education, supported by The Chinese tenth "Five-year" Plan; Network Education Project for Graduate School of Chinese Academy of Sciences (09/2002-01/2005) (On project management): *Team Leader*

✧ **(Research)** The intelligent information search and service project for National Science Digital Library, supported by "Knowledge Innovation Initiative" of Chinese Academy of Sciences (01/2002 - 12/2002) (Research on semantic-based information and resource mining technology): *Main Researcher and Team Leader*

✧ **(Research)** Context-driven semantic extraction & retrieval for sports video (CSV), supported by NEC China Lab (12/2003-5/2004) (On project application and research scheme design): *Team leader*

✧ **(Research)** The 4C convergence-oriented digital media processing and retrieval system, A key project supported by "Knowledge Innovation Initiative" of Chinese Academy of Sciences (10/2000-06/2003) (Research on text-image mining & retrieval): *Assistant Researcher*

✧ **(Engineering)** Telecom management system for Sichuan Province (Big 97 Engineering) (04/1998 - 07/1998) (Sybase + PowerBuilder + IBM AIX): *Software Engineer*

- ◇ **(Engineering)** New Telecom Billing & Accounting Software System for Sichuan Province (08/1998 - 08/1999) (Oracle + Visual C + IBM AIX) (Research and development of data mining & decision support components): *Software Engineer & Database System Analyst*
- ◇ **(Engineering)** AIDM: the Data Mining Product for Mobile Telecom Services in AsiaInfo Company (China) (11/2002-03/2003): *Main Designer*
- ◇ The other Projects ever participated in: National Data Exchange Engineering Center Project for Ministry of Construction; Network Education Project for Graduate School of Chinese Academy of Sciences.

### PATENTS AND SOFTWARE COPYRIGHTS

- [1]**Patent:** A Context-Based Approach for Semantic Extraction of Semi-structured Relational Data. YongHong Tian, TieJun Huang, Wen Gao. Process No. 200410086746.5. In process.
- [2]**Patent:** An Educational Resource Meta-Data Management Method and its Implementation. TieJun Huang, YongHong Tian, PingBo Kang, etc. Process No. 200410086745.0. In process.
- [3]**Software Copyright:** A Knowledge-Based Intelligent Web Resource Analysis Tool. YongHong Tian, TieJun Huang, etc. No. 2003SR5216.
- [4]**Software Copyright:** iMedia-NERMS: Network-Based Educational Resource Management System, YongHong Tian, TieJun Huang, etc. No. 2004SR00799.

### PUBLICATIONS

#### Degree Papers

- [1] **Master thesis:** The Research of Distributed Decision Support System Based on Data Warehouse and its Application, Computer Science Department, University of Electronic Science & Technology of China, Jun. 2000(In Chinese).
- [2] **PhD thesis:** Research on Context-Based Statistical Relational Learning, Institute of Computing Technology, Chinese Academy of Sciences, Jul. 2005, (In Chinese).

#### International Journal Papers: 7 (5 as first author)

- [1]**YongHong Tian.** Context-Based Statistical Relational Learning. *AI Communications*, Accepted for Publication [SCI].
- [2]**YongHong Tian,** Tiejun Huang, Wen Gao. Latent Linkage Semantic Kernels for Collective Classification of Link Data. *Journal of Intelligent Information Systems*, 26(3), May 2006, 269-301[SCI].
- [3]**YongHong Tian,** Qiang Yang, Tiejun Huang, Charles X. Ling and Wen Gao, Learning contextual dependency network models for link-based classification. *IEEE Transaction on Knowledge and Data Engineering*, 18(11), Nov 2006 [SCI].
- [4]**YongHong Tian,** Tiejun Huang, Wen Gao. Two-phase Web site classification based on Hidden Markov Tree models. *International Journal: Web Intelligence and Agent System*, 4(2), 2004, 249 – 264 [EI].
- [5]**YongHong Tian,** Tiejun Huang, Wen Gao. Exploiting multi-context analysis in semantic image classification. *Journal of Zhejiang University SCIENCE*, 2005 6A(11):1268-1283 [EI].
- [6]Tiejun Huang, **YongHong Tian,** ChunLi Wang, XiaoDong Shi, Wen Gao. Towards a multilingual, multimedia and multimodal digital library platform. *Journal of Zhejiang University SCIENCE*, 2005 6A(11):1188-1192 [EI].
- [7]Yue Wu, **YongHong Tian,** WanLei Zhou, The Development of A Mobile Decision Support System, *Journal of Interconnection Network, Special Issue on Network-Based Parallel Computing*, Sep. 2001, Vol. 2(3). Also appeared in the proceedings of 4<sup>th</sup> International Conference on Algorithms and Architectures for Parallel Processing, HK, China, Dec, 2000.

#### National Journal Papers: 4 (2 as first author)

- [1]**YongHong Tian,** Tiejun Huang, Wen Gao. The Influence Model of Online Social Interactions and its Learning Algorithms. *Chinese Journal of Computers*, Vol. 28, No. 7, Jul 2003 [EI].
- [2]**YongHong Tian,** Tiejun Huang, Wen Gao. A Web Site Representation and Mining Algorithm Using the Multiscale Tree Model. *Chinese Journal of Software*, Vol. 15, No. 9, Sep, 2004 (In Chinese) [EI].

#### Conference Papers: 15 (7 international conference papers, as first author)

- [1]**YongHong Tian,** Tiejun Huang, Wen Gao, Jun Cheng, PingBo Kang, Two-Phase Web Site Classification Based on Hidden Markov Tree Models, in *Proceedings of IEEE/WIC International Conference of Web Intelligence (WIC 2003)*, Halifax, Canada, Oct. 2003[EI].
- [2]**YongHong Tian,** Wen Gao, Tie-Jun Huang. *Context-Based Classification for Link Data*. In *Proceedings of International Conference on Web-Based Learning*, 233-240, Aug.2004, Beijing, China. *Lecture Notes in Computer Science 3143*, Springer[SCI].
- [3]**YongHong Tian,** Tiejun Huang, Wen Gao, A Web Site Mining Algorithm Using the Multiscale Tree Representation Model, in *Proceedings of WEBKDD'03 workshop of the ACM KDD-2003 conference*, Washington DC, U.S.A, Aug, 2003.
- [4]**YongHong Tian,** Zheng Mei, Tiejun Huang, Wen Gao, Incremental Learning for Interaction Dynamics with the Influence Model, in *Proceedings of LINKKDD'03 workshop of the ACM KDD-2003 conference*, Washington DC, U.S.A, Aug, 2003.
- [5]**YongHong Tian,** Tiejun Huang, Wen Gao, Algorithms of Integrated Student Modeling in Online Virtual Educational Community, in *Proceedings of 3<sup>rd</sup> International Conference of Info-tech & Info-net*, Beijing, P.R. China, Oct, 2001
- [6]**YongHong Tian,** Tiejun Huang, Wen Gao, Quantitatively Evaluating the Influence of Online Social Interactions in the Digital Library, in *Proceedings of IEEE/ACM Joint Conference of Digital Library*, Portland, USA, Jul. 2002 [EI].