

# Curriculum Vitae



Dr. Xuan Tian      Associate Professor,

Department of Computer Science, Beijing Forestry University,

35# Qinghua East Road Haidian District, Beijing, 100083, P. R. China

Mobile Phone: +86-1312-031-9662      Phone: +86-10-62336516-806

E-mail: [tianxuan@bjfu.edu.cn](mailto:tianxuan@bjfu.edu.cn) or [tianxuan@ruc.edu.cn](mailto:tianxuan@ruc.edu.cn)

## Personal Information

*Gender:*            Female                      *Citizenship:*        Chinese

*Date of Birth:* June 30, 1976    *Place of Birth:*    Shandong Province, China

*Research Field:* Personalized Information Retrieval, Contextual Information Retrieval, Text Mining etc.

## Research Interests

Recently, my research interests is focused on studying efficient management and usage of individual context for IR, especially individual cognitive modeling and cognitive language model are considered. They may provide novel method for contextual information retrieval, and would be widely applied in such fields as query auto-completion, intelligent recommend systems, personalized information filtering and so on.

## Research Experience

*Lecturer (2008-2011) and Associate Professor (2012-present)*

*Department of Computer Science, Beijing Forestry University*

2012- Present

- a) Construct time sequence tree as efficient index for individual context in individual searching.
- b) Model individual cognitive for query auto-completion.

2007-2012

- a) Detect product review spam based on reviewers' behaviors.
- b) Measure the semantic association from a concept to its direct-related concept in the domain ontology.

*Ph.D. Candidate Research Fellow (2003-2007)*

*Department of Computer Science, Renmin University of China*

- a) Introduce the attaching relationships together with term-concept co-occurrence to measure term-concept association for semantic-based query expansion
- b) Smooth language model by term-concept association for semantic block analysis in semantic-based query expansion
- c) Model individual cognitive structure by the spreading-activation model of psychology for personalized search

## Education

Renmin University of China, Ph. D. 2003-2007,

Advisor: *Prof. Xiaoyong Du*

Thesis: Study on Key Techniques of Contextual Information  
Retrieval

Shandong Normal University, Ma. Sc. 2000-2003,

Advisor: *Prof. Xiyu Liu*

Thesis: Study of Some Issues about Information Retrieval System  
on the Internet

Shandong Normal University, B. Sc. 1994-1998

## Publications

- [1]. Xuan Tian, Xiao Zhang, Xiangguang Meng and Zhibo Chen. Research Review of Time-Sensitive Information Retrieval Technique. *Chinese Journal of Electronics*, 2015, 38(6), pp. 18-24. (in Chinese)
- [2]. Xuan Tian, Dongmei Di. Probability estimation for semantic association on domain ontology. *Computer Engineering and Applications*, 2011, 47(27), pp. 136-140. (in Chinese)
- [3]. Xuan Tian, Xiaoyong Du, and Haihua Li. Modeling Individual Cognitive Structure in Contextual Information Retrieval. *Computers and Mathematics with Applications*. *Computers & Mathematics with Applications*, 2009, 57(6), pp. 1048-1056.
- [4]. Computing Term-Concept Association in Semantic-Based Query Expansion. *Journal of Software*, 2008, 19(8), pp. 2043-2053. (in Chinese)
- [5]. Xuan Tian, Xiaoyong Du, He Hu, et al. Modeling User's Cognitive Structure in Contextual Information Retrieval. in *Proceedings of 4th*

Fuzzy Systems and Knowledge Discovery(FSKD 2007).

[6].Xuan Tian, haihua Li, and Xiaoyong Du. Measuring Semantic Association in Domain Ontology. in Proceedings of 3rd International Conference on Semantics, Knowledge and Grid (SKG 2007) .

[7].Xuan Tian, Xiaoyong Du, and Haihua Li. Computing Degree of Association Based on Different Semantic Relationships. in Proceedings of 18th International Conference on Database and Expert Systems Applications(DEXA 2007).

## Honors and Awards

(1) Honor of "Excellent Instruction Teacher",

*Beijing Government, 2013*

(2) Third Prize of "the Young Paper Prize of Liang xi",

*Chinese Society of Forestry, 2012*

(3) Scholarship of "Excellent Postgraduate Students",

*Renmin University of China, 2006*

## Courses Taught

Database System and Application(undergraduate students)

Java EE (undergraduate students)

Software Analysis and Design (undergraduate students)

Intelligent Information Processing (postgraduate students)

Software Architecture (Graduated students)