

**Proceedings**

**2008 International Workshop on  
Information-Explosion and Next Generation Search  
INGS 2008**

**26 April 2008  
Shenyang, China**

**Organized by**

**Japan MEXT Grant-in-aid for Priority-area Research called Cyber Infrastructure for the  
Information-explosion Era (Principal Researcher: Prof. M. Kitsuregawa)**

**Kyoto University Global COE Program: Informatics Education and Research for  
Knowledge-Circulating Society (Leader: Prof. K. Tanaka)**

**The 10th Asia Pacific Web Conference (APWeb2008)**



**Los Alamitos, California  
Washington • Tokyo**



## Table of Contents

# 2008 International Workshop on Information-Explosion and Next Generation Search INGS 2008

<b>Preface</b> .....	vii
<b>Organization</b> .....	viii

## Keynote and Invited Talks

Statistical Learning in Web Search .....	3
<i>Hang Li</i>	
Chinese Web Infrastructure Building: Challenges and Our Roadmap.....	4
<i>Weining Qian and Aoying Zhou</i>	
Content-Based Video Search: Is there a Need, and Is it Possible? .....	12
<i>Zi Huang, Yijun Li, Jie Shao, Heng Tao Shen, Liping Wang, Danqing Zhang, Xiangmin Zhou, and Xiaofang Zhou</i>	

## Social Search

An Examination of the Effectiveness of Social Tagging for Resource Discovery .....	23
<i>Dion Hoe-Lian Goh, Chei Sian Lee, Alton Y. K. Chua, and Khasfariyati Razikin</i>	
QueReSeek: Community-Based Web Navigation by Reverse Lookup of Search History .....	31
<i>Hideyuki Tan, Ikki Ohmukai, and Hideaki Takeda</i>	
Querying RDF Data Using Dynamic Concise Bounded Description.....	39
<i>Xinpeng Zhang and Masatoshi Yoshikawa</i>	
SIKA: A Decentralized Architecture for Knowledge Grid Resource Management.....	47
<i>Rong Zhang, Koji Zettsu, Yutaka Kidawara, and Yasushi Kiyoki</i>	
Organizing User Comments in a Social Video Sharing System by Temporal Duration and Pointing Region .....	55
<i>Daisuke Kitayama, Natsumi Oda, and Kazutoshi Sumiya</i>	

## Knowledge Extraction and Search

Visualizing Changes in Coordinate Terms over Time: An Example of Mining Repositories of Temporal Data through their Search Interfaces.....	61
<i>Hiroaki Ohshima, Adam Jatowt, Satoshi Oyama, and Katsumi Tanaka</i>	
Global Dynamics Network Construction from the Web.....	69
<i>Thomas Perrin, Hideki Kawai, Kazuo Kunieda, and Keiji Yamada</i>	
Finding RkNN Straightforwardly with Large Secondary Storage .....	77
<i>Hanxiong Chen, Rongmao Shi, Kazutaka Furuse, and Nobuo Ohbo</i>	

KANSHIN: A Cross-Lingual Concern Analysis System Using Multilingual Blog Articles..... 83  
*Tomohiro Fukuhara, Akifumi Kimura, Yoshiaki Arai, Takayuki Yoshinaka,  
Hidetaka Masuda, Takehito Utsuro, and Hiroshi Nakagawa*

Hypothesis and Verification Based on Measurement of Information Literacy ..... 91  
*Akihiro Sumida and Yoshinori Hara*

**New Keyword Search**

Extending Keyword Search to Metadata on Relational Databases ..... 97  
*Jiajun Gu and Hiroyuki Kitagawa*

An Extension of LCA Based XML Keyword Search..... 104  
*Umaporn Supasitthimethee, Toshiyuki Shimizu, Masatoshi Yoshikawa, and Kriengkrai Porkaew*

**Author Index** ..... 112