**DATA MINING AND INFORMATION RETRIEVAL RESEACH GROUP@ IIUI**

### **RESEARCH INTERESTS**

Social Network Mining, Probabilistic Topic Models

Text Mining, Information Extraction, Information Retrieval

Natural Language Processing, Learning to Rank

Urdu Language Processing, Researcher Productivity Indexing

Bioinformatics, Plagiarism Detection, Islamic Question Answering

### **ANNOUNCEMENTS**

News $$ 1: BS, MS, and PHD students interested in doing final projects or research projects in this group are welcome to join by sending their CVs first to faculty members in the group.

### **PEOPLE**

### **Faculty**

Dr ALI DAUD Assistant Professor

TEHMINA AMJAD Lecturer

**PUBLICATIONS**

**2011**

1. **Ali Daud**. Using Time Topic Modeling for Semantics-Based Dynamic Research Interest Finding. Knowledge-Based Systems (KBS). Knowledge-Based Systems, Volume 26, pp. 154–163, 2012. SCI (Impact Factor 1.57) [[PDF](../Ali_RP/Group_Pub/2012-KBS%20Jrl-Using%20time%20topic%20modeling%20for%20semantics-based%20dynamic%20research%20interest%20finding.pdf)]
2. **Ali Daud** and Faqir Muhammad. Group Topic Modeling for Academic Knowledge Discovery. Journal of Applied Intelligence. (DOI: 10.1007/s10489-011-0302-3). SCI (Impact Factor 0.88) [[PDF](../Ali_RP/Group_Pub/2011-Applied%20Intelligence%20Journal-Group%20Topic%20Modeling%20for%20Academic%20Knowledge%20Discovery.pdf)]
3. **Ali Daud.** Exploiting Explicit Semantics-Based Grouping for Author Interest Finding. In International Asia-Pacific Web Conference (APWeb), China, April 18-20, pp. 41-52, 2011. (Acceptance Rate: 25.00 %) EI [[PDF](../Ali_RP/Group_Pub/2011-ApWeb-Exploiting%20Explicit%20Semantics-based%20Grouping%20for%20Author%20Interest%20Finding.pdf)]
4. Tehmina Amjad, Ali Daud and Sher Muhammad. A Survey of Dynamic Replication Strategies for Improving Data Availability in Data Grids. Future Generation Computer Systems, Volume 28, pp. 337–349, 2012. SCI (Impact Factor 2.37) [[PDF](../Ali_RP/Group_Pub/2011-FGCS%20Journal-A%20survey%20of%20dynamic%20replication%20strategies%20for%20improving%20data%20availability.pdf)]

**2010**

1. **Ali Daud.** A Topic Modeling Approach for Research Community Mining. In Proceedings of 5th International Conference on Computer Science and Convergence Information Technologies (ICCIT), Korea, Nov. 30-Dec 02, 2010. EI [[PDF](../Ali_RP/Group_Pub/2010-ICCIT-A%20Topic%20Modeling%20Approach%20for%20Research%20Community%20Mining.pdf)]

**PROJECTS**

* + Approved
    1. Title “Investigative study of Journals, Conferences, and Researchers Citation Impact Methods” [02-2011 to 07-2011]
       - PI (Dr Ali Daud)
       - Higher Education Commission Funded [Successfully Completed]
  + Submitted
    1. Title “Knowledge Discovery in Academic Social Networks”
       - PI (Dr Ali Daud), Co-PI (Tehmina Amjad)
       - Higher Education Commission Funded

The particulars of conferences and journals of our interest with levels, here levels just mean our ranking for the conferences.

**CONFERENCES Level**

* **Data Mining, Databases, Machine Learning, Artificial Intelligence and Information Retrieval**

(WWW, IJCAI, SIGIR, ICML, COLT, KDD, ICDMKE, NIPS, AAAI, UAI, AISTATS, SIGMOD/PODS, ICDE, CIDR, VLDB)1

(ECML/PKDD, WSDM, SDM, ICDM, CIKM, JCDL, ECAI, ESWC, WSDM, ICWSM, KR)2

(DASFAA, PAKDD, WI, AusDM, ApWeb, WAIM, ADMA, DAWAK, DEXA, IDEAS, FSKD)3

* **Semantic Web**

(ISWC)1, (ESWC)2, (ASWC)3

* **Natural Language Processing**

(ACL/Coling)1, (EMNLP, EACL)2

* **Image Processing**

(CVPR, ICCV)1, (ECCV)2, (ACCV, ICIP, IAPR, ICPR)3

* **Bioinformatics**

BIBE, ISMB, ECCB

**JOURNALS Indexing**

* **Science Citation Index (SCI)**

JMLR, Journal of Web Semantics, Data Mining and Knowledge Discovery, TKDE, TKDD, WWW, DKE, Information Retrieval, Social Networks, Machine Learning Journal, ISJ, TOIS, JAIR, IEEE Intelligent Systems, IEEE TPAMI, Knowledge Based Systems, Journal of Classification, KAIS, Applied Intelligence, Journal of Intelligent Systems, Journal on Data Semantics, TCBB, FCS in China, Scientometrics, Expert Systems with Applications, Information Processing and Management, Artificial Intelligence Review, Informetrics, Biomedical Bioinformatics

* **Engineering Index (EI)**

Web Intelligence and Agent Systems, Mehran University Research Journal of Engineering & Technology