

Sukomal Pal

Assistant Professor

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Educational Qualifications

- MTech (Computer Science), Indian Statistical Institute, Kolkata, 2005, *First Class*.
- BE (Electrical Engineering), Bengal Engineering College(D.U.), presently known as BESU, Howrah, 1999, *First Class*.
- Higher Secondary Examination (standard XII), WBCHSE, Ramakrishna Mission Vidyamandira, Belurmath, Howrah, 1995, *First Division*.
- Secondary Examination (standard X), WBBSE, Krishnath College School, Berhampore, Murshidabad, 1993, *First Division*.

Honors / Achievements

- Awarded Junior Research Fellowship in Computer Science, Indian Statistical Institute, Kolkata, 2005 (pursuing PhD there).
- Qualified GATE in 1999, 2003.
- Awarded National Merit Scholarship, 1995 (Ranked 66 in WB).
- Awarded National Merit Scholarship, 1993 (Ranked 65 in WB).

Publications

Invited Book Chapters:

- *Sukomal Pal, Mandar Mitra*: “XML Retrieval: A Survey”, *Internet Policies and Issues. Volume 8*, B.G. Kutais (*Ed.*), Nova Science Publishers, Inc.

Journals:

- *Sukomal Pal, Mandar Mitra, Jaap Kamps*: “Evaluating the INEX Focused Task Evaluation Process”, *Journal of the American Society for Information Science and Technology*, Volume 62, Issue 2, pp. 375 - 394, 2011. *Cited by 1* (Google Scholar).
- *Prasenjit Majumder, Mandar Mitra, Dipasree Pal, Ayan Bandyopadhyay, Samaresh Maiti, Sukomal Pal, Deboshree Modak, Sucharita Sanyal*: “The FIRE 2008 Evaluation Exercise”, *ACM Transactions on Asian Language Information Processing*, Volume 9, Issue 3, Article 10, September 2010.
- *Sukomal Pal, Aditya Bagchi*: “Association against Dissociation: Some Pragmatic Considerations for Frequent Itemset Generation under Fixed and Variable Thresholds”, *ACM SIGKDD Explorations*, Volume 7, Issue 2, pp. 151-159, December 2005. *Cited by 4* (Google Scholar).

Workshops/Conferences:

- *Sauparna Palchowdhury, Sukomal Pal, Mandar Mitra*: “Using Negative Information in Search”, *Second International Conference on Emerging Applications of Information Technology*, Feb 18-20, 2011, Kolkata, India.
- *Sukomal Pal, Mandar Mitra, Samaresh Maiti*: “Estimating Pool-depth on Per Query Basis”, *Proc. of EVIA 2010: 3rd International Workshop on Evaluating Information Access, a Satellite Workshop of NTCIR-8*, pp. 2-6, June 15-18, 2010, Tokyo, Japan, *Cited by 1* (Google Scholar).
- *Sukomal Pal, Mandar Mitra, Debasis Ganguly*: “Parameter Tuning in Pivoted Normalization for XML retrieval: ISI@INEX09 Adhoc Focused Task”, *Focused Retrieval and Evaluation, 8th International Workshop of the Initiative for the Evaluation of XML Retrieval (INEX 2009)*, Geva, S., Kamps, J., Trotman, A. (Eds.) Springer LNCS, 2010.
- *Sukomal Pal, Mandar Mitra, Debasis Ganguly, Samaresh Maiti, Ayan Bandyopadhyay, Aparajita Sen, Sukanya Mitra*: “Indian Statistical Institute at INEX 2008 Adhoc Track”, *Advances in Focused Retrieval, 7th International Workshop of the Initiative for the Evaluation of XML Retrieval (INEX 2008)*, Geva, S., Kamps, J., Trotman, A. (Eds.), Springer LNCS 5631, pp. 79-86, 2009.
- *Sukomal Pal, Mandar Mitra, Arnab Chakraborty*: “Stability of INEX 2007 Evaluation Measures”, *Proc. of the Second International Workshop on Evaluating Information Access (EVIA 2008)*, pp. 23-29, NTCIR 7, Japan. *Cited by 4* (Google Scholar).
- *Sukomal Pal, Mandar Mitra*: “Indian Statistical Institute at INEX 2007 Adhoc track: VSM Approach”, *Focused Access to XML Documents, 6th International Workshop of the Initiative for the Evaluation of XML Retrieval (INEX 2007)*, Fuhr, N., Kamps, J., Lalmas, M., Trotman, A. (Eds.), Springer LNCS 4862, pp. 122-128, 2008. *Cited by 2* (Google Scholar).
- *Prasenjit Majumder, Mandar Mitra, Dipasree Pal, Ayan Bandyopadhyay, Samaresh Maiti, Sukanya Mitra, Aparajita Sen, Sukomal Pal*: “Text Collections for FIRE”, *SIGIR '08: Proceedings of the 31st annual international ACM SIGIR conference on Research and Development in Information Retrieval*, pp. 699-700, ACM SIGIR 2008, Singapore. *Cited by 3* (Google Scholar).

Unreviewed:

- *Sukomal Pal, Mandar Mitra, Debasis Ganguly*: “Indian Statistical Institute at INEX 2009 Adhoc Focused Task”, *INEX 2009 Workshop Pre-Proceedings*, Geva, S., Kamps, J., Trotman, A. (Eds.), IR Publications, Amsterdam. ISBN 978-90-814485-2-9, pp. 94-98, 2009.
- *Sukomal Pal, Mandar Mitra*: “XML Retrieval: A Survey”, *Technical Report*, TR/ISI/CVPR/IR07-01, (available at <http://www.isical.ac.in/~sukomalr>), 2007. *Cited by 6* (Google Scholar).
- *Sukomal Pal, Mandar Mitra, Prasenjit Majumder*: “Indian Statistical Institute at INEX 2006 Adhoc track: A Preliminary VSM Approach”, *INEX 2006 Workshop Pre-Proceedings*, pp 118-120, Dagstuhl, Germany.

Professional Activities

Organizing Committee member, FIRE 2008 & 2010

PC Member, INEX 2007, 2008 & 2009

Query Translation for CLEF 2007

Organizing Committee member, IWRIDL-2006

Reviewer, CIT-2006

Student Member of JASIS&T, USA

Member of BCS-IRSG

Invited talks:

- “XML Retrieval: Approaches and Evaluation at Indian Statistical Institute”, Kobe University, Kobe, Japan, December 18, 2008.

- “An Introduction to Information Retrieval”, CDAC Kolkata, January 15, 2010.

Professional Experiences

Assistant Professor, Dept of Computer Science & Engineering, Indian School of Mines, Dhanbad, December 13, 2010 - till date.

Lecturer, Indian Institute of Information Technology, Allahabad, July 23, 2010 - December 11, 2010.

Project-Linked Researcher (Category A), Computer Vision & Pattern Recognition Unit, Indian Statistical Institute, Kolkata, April 17, 2007 - July 22, 2010.

Research Fellow, Computer Vision & Pattern Recognition Unit, Indian Statistical Institute, Kolkata, July 28, 2005 - April 16, 2007.

Assistant Systems Engineer, Tata Consultancy Services, India, September 24, 1999 - August 7, 2003.

Teaching:

Course	Year	Level	duration	In stitute
Computer Programming	2011	BTech (1st yr)	6 mths	ISM, Dhanbad
Probability & Statistics	2010	BTech (2nd yr)	6 mths	IIT, Allahabad
	2010	BTech (2nd yr)	6 mths	RGIT, Amethi
DBMS	2006	BStat (3rd yr)	3 mths	ISI, Kolkata
	2005	MTech (CS-2nd yr)	3 mths	ISI, Kolkata
	2005	MTech (QROR-2nd yr)	3mths	ISI, Kolkata
Programming in JAVA	2004	BTech (3rd yr)	2mths	CSI, Kolkata

Industrial:

Worked as Assistant Systems Engineer in TCS at Trivandrum, Chennai, Kolkata and Edinburgh, UK for 4 years on the following consultancy projects in different capacities:

- i) Development and Enhancement of CARES Job JAR System for GE Medical Systems, USA as module leader, Kolkata (Sep'02 - Jul'03).
- ii) Development and Enhancement of Scottish Equitable Life Assurance and Pensions Systems, UK as onsite co-ordinator, Kolkata - Edinburgh (Feb'01 - Aug'02).
- iii) Design and Development of Pay-Order (PO) Management Systems for PostBank (AIPB), Netherlands as developer, Chennai (Oct '00 - Jan'01).

- iv) Development of Banking Data Warehouse for the BILPA, Turkey as developer, Chennai (Jul'00 - Sep'00).
- v) Software Testing as project team member, Chennai (Jan'00 - Jun'00).
- vi) Mainframe Training at TCS-Chennai as trainee (Nov'99 - Dec'99).
- vi) Initial Training Program at TCS-Trivandrum as trainee (Sep'99 - Nov'99).

Skill Set

Computer Systems : Desktop PC, IBM Mainframe
Operating Systems : RedHat, Fedora Core 2/8/11, Unix (Sun-Solaris), Windows, OS/2, OS/390
Programming Languages : C, Java, Perl, Shell(bash, tcsh), COBOL, JCL, SQL
Databases : Oracle, IBM-DB2, IBM-IMS, DATACOM DB, BerkeleyDB
Misc. : R, Fudgit, LaTeX, Matlab, HTML, MetaCobol, IDEAL, CICS, REXX etc.

Personal Details

Date of Birth : 24-Jan-1977
Sex : Male
Nationality : Indian
Marital status : Married
Passport Number : H0752659 (Issued on 30-Sep-2008, valid upto 29-Sep-2018)

References

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3. Prof. Gautam Bandyopadhyay,
Professor,
Department of Electrical Engineering,
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