Research Area
Information Retrieval, Text Processing

Sub Area
- Word Embedding for Information Retrieval
- Scholarly Citation Recommendations
- Retrieval Models for Information Retrieval
- Knowledge Graph and Knowledge Base

Publications


Roy, D. An Improved Test Collection and Baselines for Bibliographic Citation Recommendation. 26th ACM International Conference on Information and Knowledge Management (CIKM 2017), pp. 2271–2274. https://doi.org/10.1145/3132847.3133085


Public Presentations

- **Improving Information Retrieval Performance using Word Embedding: Invited talk at TBML 2018**: Presented at:
  - Theoretical Basis of Machine Learning - 2018 (TBML - 2018), International Centre for Theoretical Sciences, Bengaluru
- **Word Embedding and Information Retrieval**: Presented at:
  - Indian Statistical Institute, Kolkata
- **A Survey of Information Retrieval Approaches with Embedded Word Vectors: Tutorial at ICON 2017**: Presented at:
  - 14th International Conference on Natural Language Processing (ICON - 2017), Jadavpur University, Kolkata
- **Introduction to HDFS and MapReduce**: Presented at:
  - Ramakrishna Mission Vivekananda University
  - Indian Statistical Institute, CVPR Departmental Colloquium
  - Department of Computer Science, Jadavpur University

Reviewing

- ACM International Conference on Web Search and Data Mining (WSDM)
- ACM International Conference on Special Interest Group on Information Retrieval (SIGIR)
- ACM International Conference on Information and Knowledge Management (CIKM)
- ACM India Joint International Conference on Data Science & Management of Data (CODS-COMOD)
Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL-HLT)
Information Processing & Management (Elsevier Journal)
ACM Conference on Research and Development in Information Retrieval (SIGIR)
International Conference on Natural Language Processing (ICON)
Forum for Information Retrieval Evaluation (FIRE)
International Conference on Emerging Applications of Information Technology (EAIT)
International Conference on Computational Linguistics (COLING)

**Academic Visits**
- 2018 August - October **IBM Research, Delhi, India**: Visiting Researcher
- 2016 October - November **Dublin City University, Dublin Ireland**: Visiting Researcher
- 2015 May - June **Dublin City University, Dublin Ireland**: Visiting Scholar

**Academic Achievements**
- Received ACM SIGIR Travel Grant to attend CIKM 2018 in Turin, Italy.
- Received Microsoft Research Travel Grant to attend CIKM 2017 in Singapore.
- Received Google Research Travel Grant to attend CIKM 2016 in Indianapolis, USA.
- Received Microsoft Research Travel Grant to attend CIKM 2016 in Indianapolis, USA.
- Received ACM SIGIR Travel Grant to attend CIKM 2016 in Indianapolis, USA.
- Received ISI Travel Grant to attend AAAI 2016 in Arizona, US.
- Received ACM SIGIR Travel Grant to attend SIGIR 2015 in Santiago, Chile.
- Receiving ISI Senior Research Fellowship from 2014 till date
- Received ISI Junior Research Fellowship from 2012 to 2014
- Qualified All India Research Fellowship examination organized by Indian Statistical Institute.
- Qualified in West Bengal Joint Entrance for Computer Applications, ranked among top 10.

**Teaching Experiences**
- **Course Instructor - Data Structures II** - Fall 2016, 2015, 2014 - Ramakrishna Mission Vidyamandira, Belurmath

- **Teaching Assistant - Programming and Data Structures Lab** - Fall 2014 - Indian Statistical Institute, Kolkata

**Technical Skills Expertise**
- **Languages**
  - Expert: C, Java, Script
  - Familiar: C++, Python
- **Platforms**
  - Expert: Unix
  - Familiar: Windows
**Tools**  **Expert:** Lucene  **Familiar:** Elastic Search

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**Education**

2019 June  **PhD in Computer Science,** *Indian Statistical Institute, Kolkata.*

2014–2019  **Senior Research Fellow,** *Indian Statistical Institute, Kolkata.*

2012–2014  **Junior Research Fellow,** *Indian Statistical Institute, Kolkata.*

2009–2012  **Master of Computer Applications,** *Jadavpur University.*

2006–2009  **B.Sc.(Major) in Computer Applications,** *University of Calcutta.*

2006  **Higher Secondary(10+2),** *W.B.C.H.S.E.*

2004  **Secondary(10),** *W.B.B.S.E.*

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**References**

- **Dr. Mandar Mitra**  Associate Professor, Indian Statistical Institute, Kolkata, India.  
  email: mandar@isical.ac.in

- **Prof. Gareth Jones**  Professor, Dublin City University, Dublin, Ireland.  
  email: gareth.jones@dcu.ie

- **Dr. Debasis Ganguly**  Researcher, IBM Research, Dublin, Ireland.  
  email: debasis.ganguly1@ie.ibm.com

- **Dr. Philipp Mayr-Schlegel**  Researcher, Team leader (Information & Data Retrieval), GESIS - Leibniz-Institute for the Social Sciences, Cologne, Germany.  
  email: Philipp.Mayr@gesis.org