

# Dwaipayan Roy

## Senior Research Fellow

### RESEARCH EXPERIENCE

---

AUGUST 2014 – PRESENT

**Indian Statistical Institute, Kolkata, India**  
*Senior Research Fellow*

AUGUST 2012 – JULY 2014

**Indian Statistical Institute, Kolkata, India**  
*Junior Research Fellow*

### RESEARCH AREA

---

- Information Retrieval
- Data Mining
- Natural Language Processing

### SELECTED PUBLICATIONS

---

- **Roy, D.**, Ganguly, D., Mitra, M., Jones, G. **Word Embedding based Relevance Feedback using Kernel Density Estimation.** *CIKM-2016*
- **Roy, D.**, Ganguly, D., Mitra, M., Jones, G. **Representing Documents and Queries as Sets of Word Embedded Vectors for Information Retrieval.** *NeuralIR - SIGIR16 Workshop.*
- **Roy, D.**, Paul, D., Garain, U., Mitra, M. **Using Word Embeddings for Automatic Query Expansion.** *NeuralIR - SIGIR16 Workshop.*
- **Roy, D.**, Ray, K., Mitra, M. **From a Scholarly Big Dataset to a Test Collection for Bibliographic Citation Recommendation.** *Scholarly Big Data - AAAI16 Workshop.*
- Ganguly, D., **Roy, D.**, Mitra, M., Jones, G. **Word Embedding based Generalized Language Model for Information Retrieval.** *SIGIR-2015.*
- Bandyopadhyay, A., **Roy, D.**, Mitra, M., Saha, S. **Named Entity Recognition from Tweets.** *LWA 2014.*

 Indian Statistical Institute, Kolkata, 203, B.T. Road, Kolkata, India  
 (+91)-2575-2858  
 dwaipayan.roy@gmail.com  
 www.isical.ac.in/ dwaipayan\_r

### REVIEWING

---

- Elsevier Journal - *Knowledge-based Systems*
- 26th ACM International Conference on Information and Knowledge Management - *CIKM 2017*
- 40th International ACM SIGIR Conference on Research and Development in Information Retrieval - *SIGIR 2016*
- 7th Forum for Information Retrieval Evaluation - *FIRE 2015*
- 4th International Conference on Emerging Applications of Information Technology - *EAIT 2014*
- 25th International Conference on Computational Linguistics - *COLING 2014*
- 6th Forum for Information Retrieval Evaluation - *FIRE 2014*

### ACADEMIC ACHIEVEMENTS

---

- Google Research Travel Grant, to attend CIKM 2016.
- Microsoft Research Travel Grant, to attend CIKM 2016.
- ISI Travel Grant, to attend AAAI 2016.

### REFERENCES

---

- DR. MANDAR MITRA **Associate Professor,**  
*Indian Statistical Institute, Kolkata, India*
- DR. GARETH JONES **Professor,** *Dublin City University, Dublin, Ireland*