

Sandipan Sikdar

CONTACT INFORMATION	C-47 Chalantika, Garia Station road, Kolkata 700084	Ph - +919903760867 sandipansikdar@cse.iitkgp.ernet.in
RESEARCH INTERESTS	Social networks, Time varying networks, Information dissemination, Data mining	
EDUCATION	Indian Institute of Technology Kharagpur , Kharagpur, WB Ph.D., Computer science and engineering, Dec 2012 - present <ul style="list-style-type: none">• Thesis Topic: <i>Aspects of time-varying networks</i>• Advisors: Prof. Animesh Mukherjee and Prof. Niloy Ganguly Institute of Engineering and Management , Kolkata, WB B-Tech., (DGPA - 8.82/10) Computer science and engineering, July 2012 Vivekananda Siksha Niketan High School , Bankura, WB Higher Secondary examination, (86/100) June 2008 Madhyamik (secondary) examination, (96.25/100) May 2006	
RESEARCH EXPERIENCE	Senior Research Fellow Sep 2012 - present Dept. of Computer Science and Engineering, Indian Institute of Technology Kharagpur Supervisor: Prof. Niloy Ganguly Simons Visitor Jun 2014 - Jul 2014 International Centre for Theoretical Physics Trieste, Italy Supervisor: Dr. Matteo Marsili ICTP/IAEA STEP fellow Jun 2015 - Aug 2015 International Centre for Theoretical Physics Trieste, Italy Supervisor: Dr. Matteo Marsili ICTP/IAEA STEP fellow May 2016 - Jul 2016 International Centre for Theoretical Physics Trieste, Italy Supervisor: Dr. Matteo Marsili	
PUBLICATIONS	<ol style="list-style-type: none">1. Sandipan Sikdar, Tanmoy Chakraborty, Soumya Sarkar, Niloy Ganguly and Animesh Mukherjee. ComPAS: Community Preserving Sampling for Streaming Graphs, AAMAS, Stockholm, Sweden, 2018.2. Sandipan Sikdar, Matteo Marsili, Niloy Ganguly and Animesh Mukherjee. Influence of Reviewer Interaction Network on Long-term Citations: A Case Study of the Scientific Peer-Review System of the Journal of High Energy Physics, JCDL, Toronto, Canada, 2017. (nominated for best student paper)3. Marcin Bodych, Niloy Ganguly, Tyll Kruger, Animesh Mukherjee, Rainer Seigmund-Schultze and Sandipan Sikdar. Threshold based epidemic dynamics in systems with memory, Europhysics Letters, 116.4(2017):48004.4. Sandipan Sikdar, Matteo Marsili, Niloy Ganguly and Animesh Mukherjee. Anomalies in the peer-review system: A case study of the journal of High Energy Physics, CIKM (2245-2250), Indianapolis, USA, 2016, .	

5. **Sandipan Sikdar**, Abhijnan Chakraborty, Anshit Choudhury, Gourav Kumar, S. Kumar, Abhijeet Patil, Niloy Ganguly and Animesh Mukherjee. **Identifying and Characterizing Sleeping Beauties on YouTube**, CSCW 2016 (405-408), San Francisco .
6. **Sandipan Sikdar**, Niloy Ganguly, Animesh Mukherjee. **Time series analysis of temporal networks**,European Physics Journal B topical issue on Temporal Network Theory and Applications (2016), volume 89(1), 1-11, DOI: 10.1140/epjb/e2015-60654-7.
7. **Sandipan Sikdar**, Marcin Bodych, Rajib Ranjan Maity, Biswajit Paria, Niloy Ganguly, Tyll Kruger, Animesh Mukherjee. **On segmented message broadcast in dynamic networks**, IEEE INFOCOM workshop (Netscicom), HongKong, 2015.
8. Tanmoy Chakraborty, **Sandipan Sikdar**, Niloy Ganguly, Animesh Mukherjee. **Citation Interactions among Computer Science Fields: A Quantitative Route to the Rise and Fall of Scientific Research**,Social Network Analysis and Mining (SNAM 2014), Springer, 4:187, pp. 1-18, DOI 10.1007/s13278-014-0187-3.
9. Tanmoy Chakraborty, **Sandipan Sikdar**, Vihar Tammana, Niloy Ganguly, Animesh Mukherjee. **Computer Science Fields as Ground-truth Communities: Their Impact, Rise and Fall**, IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM), Niagara Falls, Canada, August 25-28, 2013.(Nominated for best paper)
10. Tanmoy Chakraborty, **Sandipan Sikdar**, Niloy Ganguly, Animesh Mukherjee, **Shift of Research Focus in Computer Sciences over the Last Fifty Years: What Citation Analysis Reflects?** Poster in TechVista organized by Microsoft Research India, Coimbatore, Tamil Nadu, on January 24, 2013 (Awarded Honorable mention award).

ACADEMIC
ACHIEVEMENTS

- Selected for ICTP/IAEA Sandwich Training Educational Programme (STEP)
- Awarded Microsoft Travel grant for attending Netscicom 2015
- Awarded SIGIR Travel grant for attending JCDL 2017
- Selected for JCDL 2017 doctoral consortium
- Awarded Merit Scholarship by Govt. of West Bengal for scoring outstanding marks in Science Group (94%) in Higher Secondary Examination.
- Ranked 15th (among 650,000) in the state of West Bengal in Madhyamik (secondary) Examination.

TEACHING
ASSISTANTSHIP

- **CS-60092 Information Retrieval** Spring 2016–2017
Instructor: Prof. Animesh Mukherjee and Prof. Pawan Goyal
Dept. of Computer Science and Engineering,
Indian Institute of Technology Kharagpur
Role: Mentored 4 term projects, 2 hour tutorial on streaming graph sampling
- **CS-60017 Social Computing** Autumn 2016–2017
Instructor: Prof. Animesh Mukherjee and Prof. Pawan Goyal
Dept. of Computer Science and Engineering,
Indian Institute of Technology Kharagpur
Role: Mentored 3 term projects

- **CS-21004 Formal Language and Automata Theory** Spring 2015–2016
 Instructor: Prof. Pawan Goyal
 Dept. of Computer Science and Engineering,
 Indian Institute of Technology Kharagpur
 Role: Preparing assignments, 1 hr class (weekly)
- **CS-60009 Smart Phone Computing and Applications** Autumn
 2015–2016
 Instructor: Prof. Niloy Ganguly
 Dept. of Computer Science and Engineering,
 Indian Institute of Technology Kharagpur
 Role: Tutorial (monthly), mentored 2 term projects
- **CS-11001 Programming and Data Structure** Spring 2014–2015
 Instructor: Prof. Pabitra Mitra
 Dept. of Computer Science and Engineering,
 Indian Institute of Technology Kharagpur
 Role: Preparing assignments
- **CS-60009 Smart Phone Computing and Applications** Autumn
 2014–2015
 Instructor: Prof. Niloy Ganguly
 Dept. of Computer Science and Engineering,
 Indian Institute of Technology Kharagpur
 Role: Tutorial (monthly), mentored 2 term projects
- **CS-19001 Programming and Data Structure Lab** Spring 2013–2014
 Instructor: Prof. Gautam Biswas
 Dept. of Computer Science and Engineering,
 Indian Institute of Technology Kharagpur
 Role: Preparing assignments, 48 lab hours
- **CS-19001 Programming and Data Structure Lab** Autumn 2013–2014
 Instructor: Prof. Rajib Mall
 Dept. of Computer Science and Engineering,
 Indian Institute of Technology Kharagpur
 Role: Preparing assignments, 48 lab hours
- **CS-19001 Programming and Data Structure Lab** Spring 2012–2013
 Instructor: Prof. Rajib Mall
 Dept. of Computer Science and Engineering,
 Indian Institute of Technology Kharagpur
 Role: Preparing assignments, 48 lab hours

LANGUAGE SKILLS C, C++, Java, Python, Matlab, SQL

REFERENCES

Animesh Mukherjee

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 Indian Institute of Technology Kharagpur

Niloy Ganguly

Professor in Dept. of Computer Science and engineering
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