

Ashish Sureka

Founder & Director, Robo Paathshaala : Associate Professor, Ashoka University



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@ashish_sureka

research

Robotics
Software Analytics
Mining Software
Repositories
Social Media Analytics
Process Mining

teaching

Software Engineering
Information Retrieval
Database Systems
Data Mining
Programming

founder

Robo Paathshaala
(Aug 2017)



experience

- | | | |
|--------------|--|-----------------------------|
| 2017-Present | Robo Paathshaala (Robotics Education Start-Up)
<i>Founder and Director</i> | Sonipat, India |
| 2017-Present | Kamla Homes (Serviced Apartments Start-Up)
<i>Founder and Director</i> | Bangalore, India |
| 2017-Present | Ashoka University
<i>Associate Professor, Computer Science</i> | Sonipat, India |
| 2015-2017 | ABB (Research Lab)
<i>Principal Researcher</i> | Bangalore, India |
| 2014-2015 | Siemens (Research Lab)
<i>Visiting Researcher</i> | Bangalore, India |
| 2009-2014 | Indraprastha Institute of Information Technology (IIITD)
<i>Faculty Member, Computer Science</i> | New Delhi, India |
| 2014 | Tata Research Development and Design Centre (TRDDC)
<i>Visiting Researcher</i> | Pune, India |
| 2005-2009 | Infosys (Research Lab)
<i>Senior Research Associate</i> | Bangalore, India |
| 2004 | IBM Thomas J. Watson Research Center
<i>Research Intern</i> | New York, United States |
| 2003 | IBM
<i>Research Intern</i> | Raleigh (NC), United States |
| 2001 | SilverMark Inc.
<i>Software Developer Intern</i> | Raleigh (NC), United States |
| 1999-2005 | North Carolina State University
<i>Graduate Student Teaching and Research Assistant</i> | Raleigh (NC), United States |

education

- | | | |
|-----------|--|-------------------------------|
| 2002-2005 | North Carolina State University (NCSU)
<i>PhD (Computer Science)</i> | North Carolina, United States |
| 1999-2002 | North Carolina State University (NCSU)
<i>MS (Computer Science)</i> | North Carolina, United States |
| 1994-1998 | Bharati Vidyapeeth University (BVU)
<i>BE (Industrial Electronics)</i> | Maharashtra, India |
| 1992-1994 | Birla Vidya Niketan (BVN)
<i>X and XII Standard (SSC and HSC)</i> | New Delhi, India |

granted patents

2014	United States Patent: US8752001 <i>System and method for developing a rule based named-entity extraction</i>	Infosys
2013	United States Patent: US8489530 <i>System and method for root cause analysis of the failure of a manufactured product</i>	Infosys
2013	United States Patent: US8468155 <i>Collaborative filtering-based recommendations</i>	Infosys
2010	United States Patent: US7801836 Automated predictive data mining model selection using a genetic algorithm	Infosys
2010	United States Patent: US7743068 Computerized method, system and program product for generating a data mining model	IBM
2010	United States Patent: US7739297 Computerized method, system and program product for generating a data mining model	IBM
2010	United States Patent: US7734645 Computerized method, system and program product for generating a data mining model	IBM
2009	United States Patent: US7523106 Computerized data mining system, method and program product	IBM
2008	United States Patent: US7349919 Computerized method, system and program product for generating a data mining model	IBM

patent applications

2017	Indian Patent Application: 201741026528 <i>Robotics Programming (cannot disclose title)</i>	ABB
2017	Indian Patent Application: 201741026527 <i>Robotics Programming (cannot disclose title)</i>	ABB

Ashoka University Experience

2017	Advanced Programming Course (Monsoon 2017) Core course for BSc Computer Science Students
2017	Information Retrieval (Monsoon 2017) Elective course for BSc Computer Science Students

Robo Paathshaala Experience

2017 **Founded and Started Operations in August 2017**
Business plan development and company incorporation

Kamla Homes Experience

2017 **Founded and Started Operations in August 2017**
Business plan development and company incorporation

ABB Project Experience

2017 **ABB Smart Bot and Virtual Agent Mobile Application for Customer Service**
Smart Bots, Chat Bots, Artificial Intelligent, Natural Language Processing, Android Mobile Application

2015-2016 **Software Development Improvement Program (SDIP) for Automation Engineering (AE)**
Source Code Metrics for Structured Text (ST), Metrics from Issue Tracking System (IST), Change Prone-ness Prediction

2016 **Enabling Easy Programming for YuMi**
Investigating Programming Systems and Languages for Enabling Easy Programming for Collaborative Robots

2015-2016 **ABB WISDOM Distinguished Speaker Seminar Series**
Founder and Coordinator for WISDOM Seminar Series Inviting Eminent Internal and External Speaker for Talks and Interaction

2016 **Smart visualizations, Visual Analytics for ABB Customer Analytics**
Qlik Sense Desktop, Interactive Data Visualizations, Reports and Dashboards

2016 **Customized Change Management and Issue Tracking System**
Bugzilla, Web Service, Web Application using PHP and MySQL

2016 **Customer Lead Data Analytics for Marketers**
Text Classification, MeaningCloud, Text Analytics, Classification Models

Mentor ABB Interns

- 2016 **Lov Kumar (PhD Scholar - NIT Rourkela)**
Program Analysis for IEC 61131-3 Languages
- 2016 **Saurabh Chauhan (MTech Scholar - Ahmedabad University)**
Internet of Things (IoT) Application Development
- 2016 **Yukti Mehta (MTech Scholar - NIT Jalandhar)**
Graphical Blocks-Based Programming, Robotics Programming
- 2017 **Krishnapriya Mahajan (MTech Scholar - IIIT Bangalore)**
Customer Dashboard and Analytics, Data Visualization, Text Mining
- 2017 **Aniket Kumar (MTech Scholar - IIIT Bangalore)**
Web-Based Change Management System, Mining Issue Tracking System

Siemens Project Experience

- 2015-2016 **Automatic Bug Triage and Bug Assignment Techniques using Machine Learning**
Machine Learning Tools, Text Categorization, Mining Software Repositories
- 2015-2016 **Software and Code Change Impact Analysis**
Software Maintenance, Traceability Examination, Data Mining, Co-change Coupling
- 2015-2016 **Lecture Series on Information Retrieval**
Taught an Introductory Course on Information Retrieval

Mentor Siemens Interns

- 2015 **Abhishek Mitra (MTech Scholar - IIIT Delhi)**
Decision Support Platform for Guiding a Bug Triager for Resolver Recommendation
- 2015 **Manisha Agrawal (MTech Scholar - IIIT Delhi)**
Predicting Source Code Changes by Mining Revision History

TCS Project Experience

- 2014 **Semantic Inconsistency Between BPMN Process Model and SBVR Rules**
Business Process Modeling Notation (BPMN), Semantic of Business Vocabulary and Business Rules (SBVR)
- 2015-2016 **Lecture Series on Information Retrieval**
Taught an Introductory Course on Information Retrieval

IIIT Delhi Experience

2009-2014 **Faculty Member (Computer Science)**
Taught Graduate and Undergraduate Level Courses, Supervised BTech, MTech and PhD Thesis and Dissertations, Conducted research and Published Scholarly Papers in Conferences and Journals

Infosys Experience

2005-2009 **Senior Researcher (Infosys Labs)**
Research and Development, Research Prototype Development, Thought Leadership, Technology Realization, Publication and Patents

IBM Experience

2004 **Graduate Student Research Intern (IBM Thomas J. Watson Research Center (USA))**
Agent-Based Model (ABM), Autonomous Agents, Autonomic Computing

2003 **Graduate Student Research Intern (IBM Global Services, USA)**
Data Mining, Machine Learning, Predictive Modeling

NCSU Experience

1999-2005 **Graduate Student Research and Teaching Assistant**
MTech and PhD Scholar working towards Doctorate Degree

Social Media Profiles

ArXiv https://arxiv.org/find/cs/1/au:+Sureka_A/0/1/0/all/0/1

Blogger <http://ashish-sureka-delhi.blogspot.in>

DBLP <http://dblp.uni-trier.de/pers/hd/s/Sureka:Ashish>

Figshare https://figshare.com/authors/Ashish_Sureka/3128580

Google Scholar <https://scholar.google.com/citations?user=-XjsfqYAAAAJ>

GitHub <https://github.com/ashishsureka>

Mendeley <https://www.mendeley.com/profiles/ashish-sureka/>

ORCID <http://orcid.org/0000-0001-6084-9661>

ResearcherID <http://www.researcherid.com/rid/H-1631-2015>

Twitter https://twitter.com/ashish_sureka

graduated PhD students

2014 **Denzil Correa**
Content Quality in Web 2.0 Services - Analysis, Detection, Systems and Enhancement

2017 **Swati Agarwal**
Open Source Social Media as Sensors for Enabling Government Identification, Prediction and Response Applications

current PhD students

2017

Sangeeta Lal

Mining Software Repositories, Automated Software Engineering

graduated MS/MTech students

- 2017 **Yukti Mehta**
Analyzing Code Smell Removal Sequences for Enhanced Software Maintainability
- 2015 **Akanksha Mishra**
Graph Matching Based Approach for Inconsistency Detection between BPMN Business Process Models and SBVR Rules
- 2015 **Ritika Atal**
A Software Engineering Simulation Game for Teaching Practical Decision Making in Peer Code Review
- 2015 **Kritika Anand**
Utility-Based Control Flow Discovery from Business Process Event Logs
- 2015 **Divya Kundra**
Vidushi: Parallel Implementation of Alpha-Miner Algorithm and Performance Analysis on CPU and GPU Architecture
- 2015 **Kunal Gupta**
Process Discovery Algorithm Implementation and Performance Comparison Experiments in SQL on Hadoop and Row Oriented Databases
- 2015 **Jeevan Joishi**
Vishleshan: Performance Comparison and Programming Process Mining Algorithms in Graph-Oriented and Relational Database Query Languages
- 2015 **Prerna Juneja**
Anvaya: A Clustering-Based Approach for Improving the Goodness of Software Process Models Derived from Event-Logs
- 2015 **Nisha Gupta**
Pariket: A Framework for Mining Business Process Logs for Root Cause Analysis of Anomalous Incidents
- 2015 **Astha Sachdev**
Khanan: Performance Comparison and Programming Alpha Algorithm in Column-Oriented and Relational Database Query Languages
- 2014 **Manisha Khattar**
Sarathi: Characterization Study on Regression Bugs and Identification of Regression Bug Inducing Changes: A Case-Study on Google Chromium Project
- 2014 **Yash Lamba**
Pravaaha: Mining Android Applications for Discovering API Call Usage Patterns and Trends
- 2014 **Nisha Aggarwal**
Mining YouTube Metadata for Detecting Privacy Invading Harassment and Misdemeanor Videos
- 2014 **Ritika Jain**
Sanayojan: A Framework for Traceability Link Recovery between Use-Cases in Software Requirement Specification and Regulatory Documents
- 2014 **Megha Mittal**
Mimansa: Process Mining Software Repositories from Student Projects in an Undergraduate Software Engineering Course

- 2013 **Swati Agarwal**
Copyright Infringement Detection of Music Videos on YouTube by Mining Video and Uploader Meta-Data
- 2013 **Vidushi Chaudhary**
Mining Contextual Feature Based One-Class Classifier Approach for Detecting Video Response Spam on YouTube
- 2012 **Denzil Correa**
WhACKY! What Anyone Could Know About You from Twitter
- 2011 **Sangeeta Lal**
Static Technique for Fault Localization Using Character N-Gram Based Information Retrieval Model

research grants

- 2012 **Department of Information Technology (DIT), Government of India**
Mining Social Media for Countering Online Radicalization
- 2010 **Department of Science and Technology (DST), Government of India**
Mining Software Repositories for Solving Problems Encountered by a Software Maintenance Professional

teaching

- 2017 **Advanced Programming (Ashoka University)**
- 2017 **Information Retrieval (Ashoka University)**
- 2014 **Introductions to Databases (IIITD)**
- 2014 **Information Retrieval (TCS)**
- 2013 **Software Engineering (IIITD)**
- 2013 **Introductions to Databases (IIITD)**
- 2012 **Software Engineering (IIITD)**
- 2012 **Introductions to Databases (IIITD)**
- 2011 **Software Engineering (IIITD)**
- 2011 **Application Development for Social Media Platforms (IIITD)**
- 2011 **Information Retrieval (IIITD)**
- 2010 **Advanced Programming (IIITD)**
- 2010 **Information Retrieval (IIITD)**
- 2009 **Advanced Programming (IIITD)**

Citation Impact

- 1-10-2017 **Google Scholar h-index: 18**
Citations: 1148, i10-index: 37

Awards and Honours

- 2015 **ACM India Eminent Speaker**
- 2003 **Best Paper Award at ICEC 2003**
International Conference on Electronic Commerce (ICEC 2003)
An Algorithm for Computing the Outcome of Combinatorial Auctions with Proxy Bidding

publications

- 2018 **ACM India Joint International Conference on Data Science & Management of Data (CoDS-COMAD 2018)**
Potholes and Bad Road Conditions- Mining Twitter to Extract Information on Killer Roads?
Swati Agarwal, Nitish Mittal and Ashish Sureka
- 2017 **International Workshop on Quantitative Approaches to Software Quality (QuASoQ 2017) in conjunction with the 24th Asia-Pacific Software Engineering Conference (APSEC 2017)**
Estimating Web Service Quality of Service Parameters using Source Code Metrics and LSSVM
Lov Kumar, Santanu Rath and Ashish Sureka
- 2017 **International Workshop on Quantitative Approaches to Software Quality (QuASoQ 2017) in conjunction with the 24th Asia-Pacific Software Engineering Conference (APSEC 2017)**
Investigating the Effectiveness of Greedy Algorithm on Open Source Software Systems for Determining Refactoring Sequence
Sandhya Tarwani and Ashish Sureka
- 2017 **Asia-Pacific Software Engineering Conference (APSEC 2017)**
Application of LSSVM and SMOTE on Seven Open Source Projects for Predicting Refactoring at Class Level
Lov Kumar and Ashish Sureka
- 2017 **International Conference on Big Data Analytics (BDA 2017)**
Investigating the Role of Twitter in E-Governance by Extracting Information on Citizen Complaints and Grievances Reports
Swati Agarwal and Ashish Sureka
- 2017 **ACM SIGSOFT Software Engineering Notes (SEN) July 2017**
A Bibliometric Study of ACM SIGSOFT Software Engineering Notes from 2007 to 2016
Lov Kumar, Ranjan Kumar Behera, Santanu Rath and Ashish Sureka
- 2017 **Journal of King Saud University - Computer and Information Sciences [Production and Hosting by Elsevier on behalf of King Saud University] (2017)**
Three-Level Learning for Improving Cross-Project Logging Prediction for If-Blocks
Sangeeta Lal, Neetu Sardana and Ashish Sureka
- 2017 **ACM SIGSOFT Software Engineering Notes (SEN) July 2017**
Transfer Learning for Cross-Project Change-Proneness Prediction in Object-Oriented Software Systems: A Feasibility Analysis
Lov Kumar, Ranjan Kumar Behera, Santanu Rath and Ashish Sureka

- 2017 **IEEE Tenth International Conference on Contemporary Computing (IC3 2017)**
Investigation of IR based Topic Models on Issue Tracking Systems to Infer Software-Specific Semantic Related Term Pairs
Denzil Correa, Sangeeta Lal and Ashish Sureka
- 2017 **IEEE Tenth International Conference on Contemporary Computing (IC3 2017)**
CRUISE: A Platform for Crowdsourcing Requirements Elicitation and Evolution
Richa Sharma and Ashish Sureka
- 2017 **IEEE Tenth International Conference on Contemporary Computing (IC3 2017)**
Analyzing Fault Prediction Usefulness from Cost Perspective using Source Code Metrics
Lov Kumar and Ashish Sureka
- 2017 **IEEE Tenth International Conference on Contemporary Computing (IC3 2017)**
Neural Network with Multiple Training Methods for Web Service Quality of Service Parameter Prediction
Lov Kumar and Ashish Sureka
- 2017 **Proceedings of the Doctoral Consortium at the 13th International Conference on Open Source Systems (OSS 2017), Skövde University Studies in Informatics 2017:1, ISSN 1653-2325, ISBN 978-91-983667-1-6, University of Skövde, Skövde, Sweden**
Analysis and Prediction of Log Statement in Open Source Java Projects
Sangeeta Lal, Neetu Sardana and Ashish Sureka
- 2017 **ACM SIGWEB Newsletter Summer Issue (ACM SIGWEB 2017)**
How Healthy are DocEng, JCDL and UMAP Series of Conferences?
Swati Agarwal, Nitish Mittal and Ashish Sureka
- 2017 **ACM SIGCAS Newsletter Volume 47, Issue 2 (ACM SIGCAS 2017)**
Minority Ethnic Groups in Computer Science Research - What is the Bibliography Data Telling Us?
Swati Agarwal, Nitish Mittal and Ashish Sureka
- 2017 **Elsevier Journal of Systems and Software (JSS), 2017**
Effective Fault prediction Model Developed Using Least Square Support Vector Machine (LSSVM)
Lov Kumar, Saikrishna Sripada, Ashish Sureka and Santanu Rath
- 2017 **The 41st IEEE Computer Society International Conference on Computers, Software and Applications (COMPSAC 2017)**
An Empirical Analysis on Effective Fault Prediction Model Developed using Ensemble Methods
Lov Kumar, Santanu Rath and Ashish Sureka
- 2017 **The 41st IEEE Computer Society International Conference on Computers, Software and Applications (COMPSAC 2017)**
SEABED: An Open-Source Software Engineering Case-Based Learning Database
Veena Saini, Paramvir Singh and Ashish Sureka
- 2017 **International Journal of Open Source Software and Processes (IJOSSP) Volume 7 (Issue 2) 2017**
Improving Logging Prediction on Imbalanced Datasets: A Case Study on Open Source Java Projects
Sangeeta Lal, Neetu Sardana and Ashish Sureka
- 2017 **ACM SIGWEB Newsletter Spring Issue (ACM SIGWEB 2017)**
How Healthy are ACM SIGWEB Sponsored Conferences?
Swati Agarwal, Nitish Mittal and Ashish Sureka
- 2017 **Workshop on Machine Learning Techniques for Software Quality Evaluation (MaLTeSQuE 2017) co-located with International Conference on Software Analysis, Evolution, and Reengineering (SANER 2017)**
Using Source Code Metrics to Predict Change-Prone Web Services: A Case-Study on eBay Services
Lov Kumar, Santanu Kumar Rath and Ashish Sureka
- 2017 **The Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD 2017)**
Investigating the Dynamics of Religious Conflicts by Mining Public Opinions on Social Media
Swati Agarwal and Ashish Sureka

- 2017 **Innovations [Formerly India] Software Engineering Conference (ISEC 2017)**
Empirical Analysis on Effectiveness of Source Code Metrics for Predicting Change Proneness
Lov Kumar, Santanu Kumar Rath and Ashish Sureka
- 2017 **Innovations [Formerly India] Software Engineering Conference (ISEC 2017)**
Using Structured Text Source Code Metrics and Artificial Neural Networks to Predict Change Proneness at Code Tab and Program Organization Level
Lov Kumar and Ashish Sureka
- 2017 **International Journal of Web Engineering and Technology (IJWET 2017)**
A General Overview and Bibliometric Analysis of Seven ACM Hypertext and Web Conferences
Swati Agarwal, Nitish Mittal and Ashish Sureka
- 2017 **e-Informatica Software Engineering Journal (EISEJ) Volume 11 (Issue 1) 2017**
ECLogger: Cross-Project Catch-Block Logging Prediction using Ensemble of Classifiers
Sangeeta Lal, Neetu Sardana and Ashish Sureka
- 2017 **The 18th IEEE International Symposium on High Assurance Systems Engineering (HASE 2017)**
Using Source Code Metrics and Multivariate Adaptive Regression Splines to Predict Maintainability of Service Oriented Software
Lov Kumar, Santanu Kumar Rath and Ashish Sureka
- 2017 **International Conference on Distributed Computing and Internet Technology (ICDCIT 2017)**
A Collision of Beliefs: Investigating Linguistic Features for Religious Conflicts Identification on Tumblr
Swati Agarwal and Ashish Sureka
- 2016 **International Workshop on Quantitative Approaches to Software Quality (QuASoQ 2016) in conjunction with 23rd Asia-Pacific Software Engineering Conference (APSEC 2016)**
Predicting Quality of Service (QoS) Parameters using Extreme Learning Machines using Various Kernel Methods
Lov Kumar, Santanu Kumar Rath and Ashish Sureka
- 2016 **Asia-Pacific Software Engineering Conference (APSEC 2016)**
Review of Six Years of Asia-Pacific Software Engineering Conference
Lov Kumar, Saikrishna Sripada and Ashish Sureka
- 2016 **International Conference on Advanced Data Mining and Applications (ADMA 2016)**
Got a Complaint?- Keep Calm and Tweet It!
Nitish Mittal Swati Agarwal and Ashish Sureka
- 2016 **ACM SIGWEB Autumn Issue Newsletter (SIGWEB 2016)**
A Scientometric Analysis of 9 ACM SIGWEB Cooperating Conferences
Swati Agarwal, Nitish Mittal and Ashish Sureka
- 2016 **ACM SIGSOFT Software Engineering Notes September Issue (SIGSOFT SEN 2016)**
A Nine Year Story of the India Software Engineering Conference from 2008 to 2016
Richa Sharma and Ashish Sureka
- 2016 **International Conference on Technology for Education (T4E 2016)**
An Experience Report on Teaching Programming and Computational Thinking to Elementary Level Children using Lego Robotics Education Kits
Vidushi Chaudhary, Vishnu Agarwal, Pragya Sureka and Ashish Sureka
- 2016 **International Conference on Technology for Education (T4E 2016)**
An Experience Report on Teaching Compiler Design Concepts using Case-Based and Project-Based Learning Approaches
Divya Kundra and Ashish Sureka

- 2016 **International Conference on Genetic and Evolutionary Computing (ICGEC 2016)**
More Efficient Algorithms to Mine Skyline Frequent-Utility Patterns
Jerry Chun-Wei Lin, Lu Yang, Philippe Fournier-Viger, Siddharth Dawar,
Vikram Goyal, Ashish Sureka and Bay Vo
- 2016 **European Intelligence and Security Informatics Conference (EISIC 2016)**
But I did not Mean It!- Intent Classification of Racist Posts on Tumblr
Swati Agarwal and Ashish Sureka
- 2016 **European Intelligence and Security Informatics Conference (EISIC 2016)**
Role of Authors Personality Traits for Identifying Intent Based Racist Posts
Swati Agarwal and Ashish Sureka
- 2016 **ACM SIGWEB Newsletter Summer Issue (ACM SIGWEB 2016)**
A Glance at Seven ACM SIGWEB Series of Conferences
Swati Agarwal, Nitish Mittal and Ashish Sureka
- 2016 **The 40th IEEE Computer Society International Conference on Computers, Software and Applications (COMPSAC 2016)**
It Takes Two to Tango: Deleted Stack Overflow Question Prediction with Text and Meta Features
Xin Xia, David Lo, Denzil Correa, Ashish Sureka and Emad Shihab
- 2016 **The 40th IEEE Computer Society International Conference on Computers, Software and Applications (COMPSAC 2016)**
Anvaya: An Algorithm and Case-Study on Improving the Goodness of Software Process Models generated by Mining Event-Log Data in Issue Tracking Systems
Prerna Juneja, Divya Kundra and Ashish Sureka
- 2016 **The 40th IEEE Computer Society International Conference on Computers, Software and Applications (COMPSAC 2016)**
LogOptPlus: Learning to Optimize Logging in Catch and If Programming Constructs
Sangeeta Lal, Neetu Sardana and Ashish Sureka
- 2016 **ACM SIGSOFT Software Engineering Notes (ACM SIGSOFT SEN) Volume 41, Issue 2 (ACM SIGSOFT 2016)**
Insights from Mining Eleven Years of Scholarly Paper Publications in Requirements Engineering (RE) Series of Conferences
Richa Sharma, Peeyush Aggarwal and Ashish Sureka
- 2016 **ACM Computers and Society (SIGCAS) Volume 46, Issue 1 (ACM SIGCAS 2016)**
Women in Computer Science Research: What is the Bibliography Data Telling Us?
Swati Agarwal, Nitish Mittal, Rohan Katyal, Ashish Sureka, and Denzil Correa
- 2016 **International Conference on Information Processing in Sensor Networks (IPSN 2016)**
Demonstration Abstract: IoTSuite: A Framework to Design, Implement, and Deploy IoT Applications
Saurabh Chauhan, Pankesh Patel, Ashish Sureka, Flavia C. Delicato and
Sanjay Chaudhary
- 2016 **International Workshop on Emerging Trends in Software Metrics (WETSOM) co-located to International Conference on Software Engineering (ICSE 2016)**
Source Code Metrics for Programmable Logic Controller (PLC) Ladder Diagram (LD) Visual Programming Language
Lov Kumar, Raoul Jetley and Ashish Sureka
- 2016 **Conference on Data Science (CoDS 2016)**
Investigating the Potential of Aggregated Tweets as Surrogate Data for Forecasting Civil Protests
Swati Agarwal and Ashish Sureka
- 2016 **9th India Software Engineering Conference (ISEC 2016)**
LogOpt: Static Feature Extraction from Source Code for Automated Catch Block Logging Prediction
Sangeeta Lal and Ashish Sureka

- 2015 **International Journal of Open Source Software and Processes (IJOSSP) Volume 6 (Issue 1) (IJOSSP 2015)**
Two Level Empirical Study of Logging Statements in Open Source Java Projects
Sangeeta Lal, Neetu Sardana and Ashish Sureka
- 2015 **3rd International Workshop on Quantitative Approaches to Software Quality (QuASoQ) co-located to 22nd Asia Pacific Software Engineering Conferences (APSEC 2015)**
A Decision Support Platform for Guiding a Bug Triage for Resolver Recommendation Using Textual and Non-Textual Features
Ashish Sureka, Himanshu Singh, Manjunat Bagewadi, Abhishek Mitra and Rohit Karanth
- 2015 **1st International Workshop on Case Method for Computing Education (CMCE) co-located to 22nd Asia Pacific Software Engineering Conferences (APSEC 2015)**
Anukarna: A Software Engineering Simulation Game for Teaching Practical Decision Making in Peer Code Review
Ritika Atal and Ashish Sureka
- 2015 **1st International Workshop on Case Method for Computing Education (CMCE) co-located to 22nd Asia Pacific Software Engineering Conferences (APSEC 2015)**
A Case-Study on Teaching Software Engineering Concepts using a Case-Based Learning Environment
Kirti Garg, Ashish Sureka and Vasudeva Varma
- 2015 **Third International Conference on Mining Intelligence and Knowledge Explorations (MIKE)**
Graph Matching Based Approach for Inconsistency Detection between BPMN Business Process Models and SBVR Rules
Akanksha Mishra and Ashish Sureka
- 2015 **International Conference on Big Data Analytics (BDA)**
Khanan: Performance Comparison and Programming Alpha-Miner Algorithm in Column-Oriented and Relational Database Query Languages
Astha Sachdev, Kunal Gupta and Ashish Sureka
- 2015 **International Conference on Big Data Analytics (BDA)**
Utility-Based Control Flow Discovery from Business Process Event Logs
Kritika Anand, Nisha Gupta and Ashish Sureka
- 2015 **Asia Pacific Software Engineering Conference (APSEC)**
EFSPredictor: Predicting Configuration Bugs With Ensemble Feature Selections
Bowen Xu, David Lo, Xin Xia, Ashish Sureka and Shanping Li
- 2015 **International Conference on Big Data Analytics (BDA)**
Open Source Social Media Analytics for Intelligence and Security Informatics Applications
Swati Agarwal, Ashish Sureka and Vikram Goyal
- 2015 **International Workshop on Business Process Intelligence (BPI)**
Vidushi: Parallel Implementation of Alpha Miner Algorithm and Performance Analysis on CPU and GPU Architectures
Divya Kundra, Prerna Juneja and Ashish Sureka
- 2015 **International Database Engineering & Applications Symposia (IDEAS)**
Vishleshan: Performance Comparison and Programming Process Mining Algorithms in Graph-Oriented and Relational Database Query Languages
Jeevan Joishi and Ashish Sureka
- 2015 **International C* Conference on Computer Science & Software Engineering (C3S2E)**
Efficient Skyline Itemsets Mining
Vikram Goyal and Ashish Sureka
- 2015 **International C* Conference on Computer Science & Software Engineering (C3S2E)**
Pragamana: Performance Comparison and Programming Alpha-Miner Algorithm in Relational Database Query Language and NoSQL Column-Oriented Using Apache Phoenix
Kunal Gupta , Astha Sachdev and Ashish Sureka

- 2015 **Mining Software Repositories (MSR)**
Identifying Software Process Management Challenges: Survey of Practitioners in a Large Global IT Company
Monika Gupta, Ashish Sureka, Srinivas Padmanabhuni and Allahbaksh
- 2015 **5th Workshop on Making Sense of Microposts (MICROPOSTS) co-located with World Wide Web Conference (WWW)**
A Topical Crawler for Uncovering Hidden Communities of Extremist Micro-Bloggers on Tumblr
Swati Agarwal and Ashish Sureka
- 2015 **Conference on Software Engineering Education and Training (CSEE&T)**
In Support of Peer Code Review and Inspection in an Undergraduate Software Engineering Course A Case Study
Saikrishna Sripada, Raghu Reddy and Ashish Sureka
- 2015 **International Workshop on Software Analytics (SWAN) co-located with International Conference on Software Analysis, Evolution, and Reengineering (SANER)**
University-Industry Collaboration and Open Source Software (OSS) Dataset in Mining Software Repositories (MSR) Research
Ambika Tripathi, Savita Dabral and Ashish Sureka
- 2015 **The 8th India Software Engineering Conference (ISEC)**
A Report on Software Engineering Education Workshop (SEED) co-located to ISEC 2015
Bimlesh Wadhwa, Bharat Gera and Ashish Sureka
- 2015 **Tenth International Workshop - Databases in Networked Information Systems (DNIS)**
Pariket: Mining Business Process Logs for Root Cause Analysis of Anomalous Incidents
Nisha Gupta, Kritika Anand and Ashish Sureka
- 2015 **Tenth International Workshop - Databases in Networked Information Systems (DNIS)**
Topic Specific YouTube Crawling to Detect Online Radicalization
Swati Agarwal and Ashish Sureka
- 2015 **Tenth International Workshop - Databases in Networked Information Systems (DNIS)**
High Utility Rare Itemset Mining over Transaction Databases
Vikram Goyal, Siddharth Dawar and Ashish Sureka
- 2015 **ACM SIGSOFT Software Engineering Notes (ACM SIGSOFT SEN)**
A Report on Software Engineering Education Workshop (SEEW) co-located with Asia-Pacific Software Engineering Conference 2014
Ashish Sureka, Raghu Reddy, Masateru Tsunoda and Pornsiri Muenchaisri
- 2015 **8th India Software Engineering Conference (ISEC)**
Pravaaha: Mining Android Applications for Discovering API Call Usage Patterns and Trends Categories and Subject Descriptors
Yash Lamba, Manisha Khattar, Ashish Sureka
- 2015 **8th India Software Engineering Conference (ISEC)**
SARATHI: Characterization Study on Regression Bugs and Identification of Regression Bug Inducing Changes : A Case-Study on Google Chromium Project Categories and Subject Descriptors
Manisha Khattar, Yash Lamba, Ashish Sureka
- 2015 **8th India Software Engineering Conference (ISEC)**
Software Process Intelligence: Mining Software Process Data for Extracting Actionable Information
Ashish Sureka, Atul Kumar, Shrinath Gupta
- 2015 **Workshop on Future Information Security (FIS) co-located with International Conference on Communication Systems and Networks (COMSNETS)**
Using Common-Sense knowledge-base for Detecting Word Obfuscation in Adversarial Communication
Swati Agarwal, Ashish Sureka

- 2015 **11th International Conference on Distributed Computing and Internet Technology (ICDCIT)**
Using kNN and SVM based One-Class Classifier for Detecting Online Radicalization on Twitter
Swati Agarwal, Ashish Sureka
- 2014 **25th ACM Conference on Hypertext and Social Media (HT)**
A Focused Crawler for Mining Hate and Extremism Promoting Videos on YouTube
Swati Agarwal, Ashish Sureka
- 2014 **23rd International World Wide Web Conference (WWW)**
Chaff from the Wheat : Characterization and Modeling of Deleted Questions on Stack Overflow
Denzil Correa, Ashish Sureka
- 2014 **10th International Conference on Open Source Systems (OSS)**
Does Contributor Characteristics Influence Future Participation? A Case Study on Google Chromium Issue Tracking System
Ayushi Rastogi, Ashish Sureka
- 2014 **International Conference on Management of Data (COMAD)**
Kashvi: A Framework for Software Process Intelligence
Ashish Sureka, Atul Kumar, G. M. Rama
- 2014 **Joint Conference in Intelligence Security Informatics (JISIC)**
Learning to Classify Hate and Extremism Promoting Tweets
Swati Agarwal, Ashish Sureka
- 2014 **International Conference on Software Engineering, Software Engineering Education and Training (ICSE SEET)**
Process Mining Software Repositories from Student Projects in an Undergraduate Software Engineering Course Categories and Subject Descriptors
Megha Mittal, Ashish Sureka
- 2014 **3rd Workshop on Realizing Artificial Intelligence Synergies in Software Engineering (RAISE)**
Mining Issue Tracking Systems Using Topic Models for Trend Analysis, Corpus Exploration and Understanding Evolution
Ayushi Aggarwal, Gajendra Waghmare, Ashish Sureka
- 2014 **4th Workshop on Mining Unstructured Data (MUD)**
Mining Peer Code Review System for Computing Effort and Contribution Metrics for Patch Reviewers
Rahul Mishra, Ashish Sureka
- 2014 **Twelfth International Conference on Privacy, Security and Trust (PST)**
Mining YouTube Metadata for Detecting Privacy Invading Harassment and Misdemeanor Videos
Nisha Aggarwal, Swati Agarwal, Ashish Sureka
- 2014 **Asia-Pacific Software Engineering Conference (APSEC)**
MiQs : Characterization and Prediction of Migrated Questions on StackExchange
Sangeeta Lal, Denzil Correa, Ashish Sureka
- 2014 **Seventh India Software Engineering Conference (ISEC)**
Nirikshan: Mining Bug Report History for Discovering Process Maps, Inefficiencies and Inconsistencies Categories and Subject Descriptors
Monika Gupta, Ashish Sureka
- 2014 **21st Asia-Pacific Software Engineering Conference (APSEC)**
Process Cube for Software Defect Resolution
Monika Gupta, Ashish Sureka
- 2014 **11th Working Conference on Mining Software Repositories (MSR)**
Process Mining Multiple Repositories for Software Defect Resolution from Control and Organizational Perspective Categories and Subject Descriptors
Monika Gupta, Ashish Sureka, Srinivas Padmanabhuni
- 2014 **23rd Australasian Software Engineering Conference (ASWEC)**
Requirements Prioritization and Next-Release Problem under Non-Additive Value Conditions
Ashish Sureka

- 2014 **Seventh India Software Engineering Conference (ISEC)**
SamikshaViz : A Panoramic View to measure Contribution and Performance of Software Maintenance Professionals by Mining Bug Archives
Ayushi Rastogi, Ashish Sureka
- 2014 **3rd Workshop on Realizing Artificial Intelligence Synergies in Software Engineering (RAISE)**
A Framework for Traceability Link Recovery between Use-Cases in Software Requirement Specification and Regulatory Documents Categories and Subject Descriptors
Ritika Jain, Smita Ghaisas, Ashish Sureka
- 2014 **Asia-Pacific Software Engineering Conference (APSEC)**
What Community Contribution Pattern says about Stability of Software Project?
Ayushi Rastogi, Ashish Sureka
- 2013 **PST2013 International Conference on Privacy, Security and Trust (PST)**
Contextual Feature Based One-Class Classifier Approach for Detecting Video Response Spam on YouTube
Vidushi Chaudhary, Ashish Sureka
- 2013 **Second International Conference on Big Data Analytics (BDA)**
Copyright Infringement Detection of Music Videos on YouTube by Mining Video and Uploader Meta-Data
Swati Agrawal, Ashish Sureka
- 2013 **ACM Conference on Online Social Networks (COSN)**
Fit or Unfit: Analysis and Prediction of ' Closed Questions ' on Stack Overflow
Denzil Correa, Ashish Sureka
- 2013 **22nd Australasian Software Engineering Conference (ASWEC)**
Integrating Issue Tracking Systems with Community-Based Question and Answering Websites
Denzil Correa, Ashish Sureka
- 2013 **20th Asia-Pacific Software Engineering Conference (APSEC)**
Samekana : A Browser Extension for Including Relevant Web Links in Issue Tracking System Discussion Forum
Denzil Correa, Sangeeta Lal, Ashish Sureka, Apoorv Saini
- 2013 **6th India Software Engineering Conference (ISEC)**
Samiksha: Mining Issue Tracking System for Contribution and Performance Assessment
Ayushi Rastogi, Arpit Gupta, Ashish Sureka
- 2012 **ACM SIGSOFT SEN (Software Engineering Notes)**
A Report on Software Engineering Education Workshop
Rakesh Shukla, Ashish Sureka, Rushikesh Joshi, Rajib Mall
- 2012 **Fifth India Software Engineering Conference (ISEC)**
A Static Technique for Fault Localization Using Character N-Gram Based Information Retrieval Model Categories and Subject Descriptors
Sangeeta Lal, Ashish Sureka
- 2012 **The 19th Asia-Pacific Software Engineering Conference (APSEC)**
Comparison of Seven Bug Report Types: A Case-study of Google Chrome Browser Project
Sangeeta Lal, Ashish Sureka
- 2012 **5th Workshop for Ph.D. Students at the ACM Conference on Information and Knowledge Management (PIKM)**
ITop – Interaction Based Topic Centric Community Discovery on Twitter
Denzil Correa, Ashish Sureka, Mayank Pundir

- 2012 **50th International Conference on Objects, Models, Components, Patterns (TOOLS Europe)**
Learning to Classify Bug Reports into Components
Ashish Sureka
- 2012 **The First International Workshop on Software Mining (SoftKDD)**
Source Code Identifier Splitting Using Yahoo Image and Web Search Engine
Ashish Sureka
- 2012 **Tenth Annual Conference on Privacy, Security and Trust (PST)**
WhACKY! – What Anyone Could Know About You from Twitter
Denzil Correa, Ashish Sureka, Raghav Sethi
- 2011 **The Eighteenth Asia-Pacific Software Engineering Conference (APSEC)**
Applying Fellegi-Sunter (FS) Model for Traceability Link Recovery between Bug Databases and Version Archives
Ashish Sureka, Sangeeta Lal, Lucky Agarwal
- 2011 **Third International Workshop on Search and Mining User-Generated Contents (SMUC)**
Mining Tweets for Tag Recommendation on Social Media
Denzil Correa, Ashish Sureka
- 2011 **International Workshop on Usage Analysis and the Web of Data (USEWOD)**
Mining User Comment Activity for Detecting Forum Spammers in YouTube
Ashish Sureka
- 2011 **Fourth India Software Engineering Conference (ISEC)**
Using Social Network Analysis for Mining Collaboration Data in a Defect Tracking System for Risk and Vulnerability Analysis
Ashish Sureka, Atul Goyal, Ayushi Rastogi
- 2011 **International Journal of Business Information Systems (IJBIS)**
Fuzzy based clustering algorithm for privacy preserving data mining
Pradeep Kumar, Kishore Varma, Ashish Sureka
- 2010 **Databases in Networked Information Systems (DNIS)**
AccKW: An Efficient Access Control Scheme for Keyword-Based Search over RDBMS
Vikram Goyal, Ashish Sureka, Sangeeta Lal
- 2010 **International Journal of Product Development (IJPDP)**
Product failure root cause analysis during warranty analysis for integrated product design and quality improvement for early results in downturn economy
Sudripto De, Arindam Das, Ashish Sureka
- 2010 **The 17th Asia-Pacific Software Engineering Conference (APSEC)**
Detecting Duplicate Bug Report Using Character N-Gram-Based Features
Ashish Sureka, Pankaj Jalote
- 2010 **Fifth International Conference of the Global WordNet Association (GWC)**
Generating Domain-Specific Ontology from Common-Sense Semantic Network for Target-Specific Sentiment Analysis
Ashish Sureka, Vikram Goyal, Denzil Correa, Anirban Mondal
- 2010 **The 8th International Conference on Natural Language Processing (ICON)**
Insights on Transferability of Dialog-Act Cue-Phrases Across Communication Domains, Modality and Semantically Similar Dialog-Acts
Ashish Sureka, Atul Goyal
- 2010 **The Sixth Asia Information Retrieval Society Conference (AIRS)**
Mining YouTube to Discover Extremist Videos, Users and Hidden Communities
Ashish Sureka, Ponnurangam Kumaraguru, Atul Goyal, Sidharth Chhabra
- 2010 **Third Annual ACM Bangalore Conference (COMPUTE)**
Linguistic Analysis of Bug Report Titles with Respect to the Dimension of Bug Importance
Ashish Sureka, Kishore Varma Indukuri

- 2009 **Twelfth International Conference on Fuzzy Sets, Data Mining & Granular Computing (RSFDGrC)**
Polarity Classification of Subjective Words Using Common-Sense Knowledge-Base
Ashish Sureka, Vikram Goyal, Denzil Correa, Anirban Mondal
- 2009 **Advanced Data Mining and Applications (ADMA 2009)**
Semantic Based Text Classification of Patent Documents to a User-Defined Taxonomy
Ashish Sureka, Pranav Prabhakar Mirajkar, Prasanna Nagesh Teli, Girish Agarwal and Sumit Kumar Bose
- 2008 **Database Systems for Advanced Applications (DASFAA 2008)**
Mining Automotive Warranty Claims Data for Effective Root Cause Analysis
Ashish Sureka, Sudripto De and Kishore Varma
- 2008 **Ninth International Conference on Web-Age Information Management (WAIM 2008)**
An Algorithm for Classifying Articles and Patent Documents Using Link Structure
Kishore Varma, Pranav Mirajkar and Ashish Sureka
- 2008 **Pacific Rim International Conference on Artificial Intelligence (PRICAI 2008)**
An Empirical Study on the Effect of Different Similarity Measures on User-Based Collaborative Filtering Algorithms
Ashish Sureka and Pranav Prabhakar Mirajkar
- 2008 **Advanced Data Mining and Applications (ADMA 2008)**
Using Genetic Algorithms for Parameter Optimization in Building Predictive Data Mining Models
Ashish Sureka and Kishore Varma Indukuri
- 2007 **International Conference on Computational Intelligence and Multimedia Applications (ICCIMA 2007)**
Similarity Analysis of Patent Claims Using Natural Language Processing Techniques
Ashish Sureka and Kishore Varma Indukuri
- 2005 **International joint conference on Autonomous Agents and Multiagent Systems (AAMAS 2005)**
Using Tabu Best-Response Search to Find Pure Strategy Nash Equilibria in Normal Form Games
Ashish Sureka and Peter R. Wurman
- 2005 **Annual conference on Genetic and Evolutionary Computation (GECCO 2005)**
Applying Metaheuristic Techniques to Search the Space of Bidding Strategies in Combinatorial Auctions
Ashish Sureka and Peter R. Wurman
- 2003 **International Conference on Electronic Commerce (ICEC 2003)**
An Algorithm for Computing the Outcome of Combinatorial Auctions with Proxy Bidding
Peter R. Wurman, Ganghu Cai, Jie Zhong and Ashish Sureka
- 2003 **ACM conference on Electronic Commerce (EC 2003)**
Computing the Outcome of Proxy Bidding in Combinatorial Auctions
Peter R. Wurman, Ganghu Cai and Ashish Sureka
- 2002 **Mining Web Data for Discovering Usage Patterns and Profiles (WEBKDD 2002)**
Mining eBay: Bidding Strategies and Shill Detection
Harshit S. Shah, Neeraj R. Joshi, Ashish Sureka and Peter R. Wurman
- 2002 **International conference on quality of future internet services and internet charging and QoS technologies 2nd international conference on From QoS provisioning to QoS charging (ICQT 2002)**
Applying the Generalized Vickrey Auction to Pricing Reliable Multicasts.
Ashish Sureka and Peter R. Wurman

Research Dataset

- 2017 **Mendeley Data DOI: 10.17632/w5y4xy3zsc.1**
Ethnicity and Gender Imbalance among Authors of Computer Science Research Conferences
Swati Agarwal, Nitish Mittal, Ashish Sureka
- 2016 **Mendeley Data DOI: 10.17632/8hp39rkns.1**
Religious Beliefs on Social Media: Large Dataset of Tumblr Posts and Bloggers
Swati Agarwal and Ashish Sureka
- 2016 **Figshare Data DOI: 10.6084/m9.figshare.3846984.v1**
Meta-Data of Mining Software Repositories (MSR) conference Papers from 2004 to 2016
Lov Kumar and Ashish Sureka
- 2016 **Figshare Data DOI: 10.6084/m9.figshare.3843996.v1**
Meta-Data of Papers in Asia-Pacific Software Engineering Conference (APSEC) from 2010 to 2015
Lov Kumar, Saikrishna Sripada and Ashish Sureka
- 2016 **Figshare Data DOI: 10.6084/m9.figshare.3843738.v1**
Meta-Data of Papers in India Software Engineering Conference from 2008 to 2016
Richa Sharma and Ashish Sureka
- 2016 **Mendeley Data DOI: 10.17632/hd3b6v659v.1**
Semantically Analyzed Metadata of Tumblr Posts and Bloggers
Swati Agarwal and Ashish Sureka
- 2016 **Mendeley Data DOI: 10.17632/dn5d8fbkb9.1**
DBLP Publications Records and ACM Metadata for SIGWEB Conferences
Swati Agarwal, Ashish Sureka and Nitish Mittal
- 2016 **Mendeley Data DOI: 10.17632/3p9w84t5mr.1**
DBLP Records and Entries for Key Computer Science Conferences
Swati Agarwal, Ashish Sureka, Nitish Mittal, Rohan Katyal and Denzil Correa
- 2016 **Mendeley Data DOI: 10.17632/w2cp7h53s5.1**
Enhanced Dataset of Citizen Centric Complaints and Grievances on Twitter
Swati Agarwal, Nitish Mittal and Ashish Sureka
- 2016 **Mendeley Data DOI: 10.17632/2cjbzwmphk.1**
Eleven Years (2005-2015) of Requirements Engineering (RE) Conference Data
Ashish Sureka, Richa Sharma, Peeyush Aggarwal
- 2016 **Mendeley Data DOI: 10.17632/kvgpsz8jbn.1**
10 Years Data Snapshot of ACM SIGWEB Cooperating Conferences
Swati Agarwal, Nitish Mittal and Ashish Sureka

Publicly Available Tools

- 2016 **URL: <http://seabed.in/>**
(SEABED) Software Engineering - Case Based Learning Database
Ashish Sureka, Paramvir Singh, Yukti Mehta
- 2016 **URL: <http://cruise-platform.in/>**
(CRUISE) Crowd-Sourcing Based Requirements Elicitation Platform
Ashish Sureka, Richa Sharma

service

- Program Committee Member (Demo Track) 44th International Conference on Very Large Data Bases (VLDB 2018)
- Workshop Chair Innovations (formerly India) Software Engineering Conference (ISEC 2018)
- Program Committee Member Innovations (formerly India) Software Engineering Conference (ISEC 2018)
- Program Committee Member ASMSI 2017 Applications of Social Media in Security Informatics (with SOTICS)
- Program Committee Member Workshop on Quantitative Approaches to Software Quality (QuASoQ 2017)
- Program Committee Member International Conference on Next Generation Computing Technologies (NGCT 2017)
- **Industry Track Program Committee Chair** International Conference on Contemporary Computing (IC3 2017)
- Program Committee Member Asia-Pacific Software Engineering Conference (APSEC 2017)
- **Program Committee Chair** Big Data Analytics (BDA) 2017
- Program Committee Member IEEE Working Conference on Software Visualization (VISSOFT 2017)
- Program Committee Member International Conference on Computing, Communication and Automation (ICCCA 2017)
- Program Committee Member ICSE Software Engineering in Practice (SEIP) Track 2017
- Program Committee Member International Conference on Software Maintenance and Evolution (ICSME) 2017
- Publication Chair APSEC Workshops 2016 (QuASoQ + TDA)
- Guest Speaker at Robofest (an annual robotics festival and competition) Bangalore
- Program Committee Member International Conference on Program Comprehension (ICPC) 2017
- Reviewer for Elsevier Journal of Information Systems
- Reviewer for Journal of Information and Software Technology (IST)
- Program Committee Member Innovations in Software Engineering Conference (ISEC) 2017
- Publication Chair Innovations in Software Engineering Conference (ISEC) 2017
- Program Committee Member Mining Software Repositories (MSR) 2016
- Program Committee Member Asia-Pacific Software Engineering Conference (APSEC) 2016
- Program Committee Member IFIP Conference on e-Business, e-Services and e-Society 2016
- Program Committee Member Conference on Computing Communication and Automation (ICCCA) 2016
- Program Committee Member AwareCities (Percom 2016 Workshop) 2016
- Review Board Member for Empirical Software Engineering (EMSE) Journal (2014-2015)
- Associate Editor (Program Committee Member) - European Conference on Information Systems (ECIS 2016)
- **General Co-Chair** India Software Engineering Conference (ISEC) 2016
- **Conference Chair** Asia-Pacific Software Engineering Conference (APSEC) 2015
- Program Committee Member India Software Engineering Conference (ISEC) 2016
- Program Committee Member International Conference on Contemporary Computing (IC3) 2015
- Program Committee Member First International Workshop on DevOps co-located to ASE 2015
- Journal Reviewer Elsevier Science of Computer Programming 2015
- Program Committee Member Big Data Analytics (BDA) 2015
- Program Committee Member Asia-Pacific Software Engineering Conference (APSEC) 2015
- Industry Track **Program Co-Chair** Software Analysis, Evolution, and Reengineering (SANER) 2016
- Software Engineering Education Workshop (SEEW 2014) Co-Organizer co-located with (APSEC) 2014
- Program Committee Member Conference on Computing Communication and Automation (ICCCA) 2015

- Tutorial Presenter India Software Engineering Conference (ISEC), 2015
- Program Committee Member Privacy, Security and Trust (PST) 2015
- Program Committee Member ICAC3 2015
- Program Committee Member European Conference on Information Systems (ECIS) 2015
- Tutorial Presenter Conference on Management of Data (COMAD), 2014
- Program Committee Member International Workshop on Software Analytics (SWAN) 2015
- Software Engineering Education Workshop (SEED 2015) Co-Organizer co-located with (ISEC) 2015
- Program Committee Member International Conference on Computer and Computational Sciences (ICCCS) 2015
- Program Committee Member Conference on Data Sciences (CoDS) 2015
- Program Committee Member Software Analysis, Evolution and Reengineering (SANER) 2015
- Finance Chair Asia-Pacific Software Engineering Conference (APSEC) 2015
- Local Arrangement Chair Asia-Pacific Software Engineering Conference (APSEC) 2015
- Publication Chair India Software Engineering Conference (ISEC) 2015
- Program Committee Member India Software Engineering Conference (ISEC) 2015
- Faculty In-Charge for Office of Alumni Relations at IIITD
- Faculty In-Charge Training and Placements (T&P) at IIITD
- MTech Data Engineering (DE) Program Coordinator at IIITD
- Post Graduate Committee (PGC) member at IIITD
- **Steering Committee Member** for India Software Engineering Conference (ISEC)
- **Steering Committee Member** for Asia-Pacific Software Engineering Conference (APSEC)
- Journal Reviewer Management Information Systems (MIS) Quarterly 2010
- Journal Reviewer Management Information Systems (MIS) Quarterly 2011
- Program Committee Member Asia-Pacific Software Engineering Conference (APSEC) 2011
- Publicity Chair India Software Engineering Conference (ISEC) 2012
- Panel Member at Software Mining 2012 Workshop
- Software Engineering Education Workshop (SEEW) Organizer co-located with (ISEC) 2012
- Program Committee Member, International Symposium on Software Reliability Engineering (ISSRE) 2012
- Program Committee Member Asia-Pacific Software Engineering Conference (APSEC) 2012
- Program Committee Member Big Data Analytics (BDA) 2012
- Finance Chair India Software Engineering Conference (ISEC) 2013
- Program Committee Member India Software Engineering Conference (ISEC) 2013
- Program Committee Member Asia-Pacific Software Engineering Conference (APSEC) 2013
- Program Committee Member Big Data Analytics (BDA) 2013
- Tutorial Chair Big Data Analytics (BDA) 2014
- Social Media Publicity Chair International Conference on Software Engineering (ICSE) 2014
- Journal Reviewer Empirical Software Engineering (EMSE) 2014
- Program Committee Member Asia-Pacific Software Engineering Conference (APSEC) 2014
- Program Committee Member Big Data Analytics (BDA) 2014
- Program Committee Member COMPUTE 2014

- Program Committee Member INDICON 2014
- Invited Speaker Mining Software Repositories (MSR) Asia Summit 2014
- ACM India Eminent Speaker
- Program Committee Member Symposium on Signal Processing and Information Technology (ISSPIT) 2014
- Program Committee Member ICSE Software Engineering Education and Training (ICSE SEET) 2014
- Program Committee Member International Conference on Contemporary Computing (IC3) 2014
- Program Committee Member Mining Software Repositories (MSR) 2014