**PARTHA MUKHERJEE, PhD**

**CURRICULUM VITAE**

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**PARTHA MUKHERJEE**

The Pennsylvania State University



Great Valley Campus

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PSU Profile: <https://greatvalley.psu.edu/person/partha-mukherjee>

LinkedIn Profile: <https://www.linkedin.com/in/partha-mukherjee-5817772b/> Updated on: 8th Feb 2022

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Faculty and researcher of data analytics / information science related discipline, covering data mining, applied machine learning, social computing, applied Statistics, web and text analytics, natural language processing with a focus on text simplification. Interested in studying and analyzing the behavioral aspects of users at the intersection of social media, second screen, in Real Life (iRL) events, and TV. Extended his research avenue in lending and crowdfunding from data analytics perspective. Involved in detection analysis of online misinformation on social media using deep learning and semi supervised learning. Showed interest in blockchain based systems and crypto-currency analytics. Enjoy teaching and instructing the courses both graduate and undergraduate that contains programming and validation of mathematical and statistical models.

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**EMPLOYMENT**

**Aug 2018 to Present:** Assistant Professor in Data Analytics, Engineering Division, The Pennsylvania State University, Great Valley campus, Malvern, Pennsylvania.

**Responsibilities:** Instructing data analytics courses at the graduate level and guiding Masters’ students with their thesis. Pursuing research on text simplification, social computing and social media and second screen-based analysis of online social behavior of users. Extended his research into analysis of online misinformation using semi supervised learning. Showed interest in crypto-currency analytics.

**COURSES:**

**Fall 2018: 1) IE 575: Foundations of Predictive Analytics (Online) (3)**

 **2) SWENG 545: Data Mining (3)**

**Spring 2019: 1) IE 575: Foundations of Predictive Analytics (3)**

 **2) DAAN 888: Design and Implementation of Analytic Systems (3)**

**Summer 2019: IE 575: Foundations of Predictive Analytics (Online) (3)**

**Fall 2019: 1) DAAN 888: Design and Implementation of Analytic Systems (3)**

 **1) DAAN 888: Design and Implementation of Analytic Systems (Online) (3)**

 **2) DAAN 862: Analytics Systems in Python (3)**

**Spring 2020: 1) IE 575: Foundations of Predictive Analytics (3)**

 **2) DAAN 888: Design and Implementation of Analytic Systems (Online) (3)**

 **3) SWENG 545: Data Mining (3)**

**Fall 2020: 1) DAAN 888: Design and Implementation of Analytic Systems (3)**

 **2) DAAN 888: Design and Implementation of Analytic Systems (Online) (3)**

**Spring 2021: 1) DAAN 888: Design and Implementation of Analytic Systems (Online) (3)**

 **2) DAAN 881: Data Driven Decision Making (Online) (3)**

 **3) IE 575: Foundations of Predictive Analytics (3)**

**Fall 2021: 1) SWENG 545: Data Mining (3)**

 **2) DAAN 888: Design and Implementation of Analytic Systems (Online) (3)**

 **3) Design a Masters level course on AI (Foundation of AI)**

**Spring 2022: 1) AI 801: Foundation of Artificial Intelligence (3)**

 **2) DAAN 862: Analytics Systems in Python (3)**

 **3) DAAN 888: Design and Implementation of Analytic Systems (Online) (3)**

**June 2016 to July 2018:** Post-Doctoral Researcher in Natural Language Processing/ Text mining in MIS department, Eller College of Management, University of Arizona, Tucson.

**Responsibilities:** Guiding and supervising MS and PhD students with their work and research ideas in their projects. Building a parser to simplify the Medical texts for improving US health literacy. Evaluating the similarity between the sentences of the medical corpus in English and Spanish.

**August 2016 to December 2016: Adjunct faculty, Fall 2016: MIS 545 (Data mining for Business Intelligence) in University of Arizona, Tucson**. Teaching evaluation: 4.0 out of 5.

**Responsibilities:** Design the syllabus of the course. Prepare the slides and instruct the class of size over 40 students. Assign and conduct the labs, supervise the single and group projects. Set the questions for mid semester and end semester exams and periodical quizzes.Grade the exam and labs.

**May 2015 to May 2016:** Research Assistant in Smeal College of Business, Pennsylvania State

University, USA.

**Responsibilities:** Preparing the panel data from the spreadsheets containing the daily record on game

apps. Performing panel data regression and analytics to develop business cases. Designing modules of

online Business Analytics course integrating NeoSpeech and Camtasia.

**May 2014 - Aug 2014**: Intern,Teaching and Learning Technology (TLT), Educational Testing Service,

PA, USA.

**Responsibilities:** Backend Design and implementation of the information system regarding learning

 analytics of undergraduate course in PSU.

**May 2012 - Aug 2012:** Intern,Architecture Department, Pennsylvania State University, USA.

**Responsibilities:** Designing GUI mobile app for energy usage in PSU buildings.

**May 2011 to Aug 2011:** Intern,Teaching and Learning Technology (TLT), Educational Testing Service,

PA, USA.

**Responsibilities:** Design of socially networked learning assistant (webapp) for undergrad course on

keyword advertising. Design a web-based application for online learning a specialized course named

Computational Advertising. Identify the tools for creating sponsored search entrepreneurship. Add the

tools into the app using HTML5 and JavaScript. Add Yammer link to the app to use for collaborative

forum among the students. Students can access the course material using the app even if he/she is not

 physically present in the class.

**July 2008 to July 2010:** Assistant Professor in Heritage Institute of Technology, Kolkata, India.

**Responsibilities:** Taught undergraduate and postgraduate courses and conducted programming labs as an in Department of Computer Science and Engineering.

**Jan 2004 to Jan 2006:** Research Consultant in Indian Institute of Technology, Kharagpur, India.

**Responsibilities:** Design and implementation of IP core for ADSP 21020 microprocessor with its

functionalities.

**Jan 2002 to Dec 2003:** Lecturer in School of Information Technology, IISER, Howrah, India.

**Responsibilities:** Taught postgraduate courses and conducted programming labs as an in School of Information Technology.

**Sep 1995 to Dec 1998:** Senior Engineer in Garden Reach Shipbuilders and Engineers Ltd, Kolkata, India

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### EDUCATION

### 2016 to 2018 POST-DOCTORAL SCHOLAR

###  Text analytics on Medical corpus using NLP techniques

###  MIS Department, Eller College of Management

The University of Arizona, Tucson, AZ, USA

### 2010 to 2016 PhD

###  Major: Information Sciences

###  Minor: Applied Statistics

###  College of Information Sciences and Technology, Pennsylvania State

###  University, Pennsylvania, USA, CGPA: 3.79

###  2006 to 2008 MASTER OF SCIENCE (M.S)

 **Major: Computer Science,**

 Department of Mathematics and Computer Science, University of Tulsa,

 Oklahoma, USA, CGPA: 3.80

**1999 to 2001** Master of Technology (M.Tech).

 **Major: Computer Science,**

 Indian Statistical Institute (ISI), Kolkata, India, CGPA: 3.80 (76.5 %)

**1991 to 1995** BACHELOR OF ENGINEERING (B.E)

 **Major: Mechanical Engineering,**

 Department of Mechanical Engg, Jadavpur University, Kolkata, India,

 CGPA: 3.5 (75%)

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**TECHNICAL SKILL SET**

**Programming languages:** C, J2SE (JAVA), MATLAB, HTML5, shellscript, Awk, Python, PHP, JavaScript,

**Text analytics package:** GATE (General Architecture of Text Engineering)

**DBMS:** MySQL, SQL-Server, Oracle, MS Access, Unified Medical Language Systems (UMLS).

**Statistical Package**: Minitab 16, R-2.15.1, RStudio, SPSS, MS Excel.

**Operating Systems:** Windows XP/ 7.0/ 10, Sun Solaris, Linux (Red Hat/ Ubuntu), MAC OSX

**IDEs:** Netbeans, Eclipse, Xcode, JCreator, SublimeText, Notepad++, vim, emacs

**Text Editing Software:** Latex, MS Word

**Presentation Tool:** MS Power-point, Beamer

**Online Teaching Tools:** Camtasia 8.6., NeoSpeech

**Hardware Description Language**: VERILOG HDL

**FPGA Kit:** Virtex-1000, Spartan-200

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1. **PROFESSIONAL AFFILIATION**
2. Association of Computing Machinery (ACM), USA.
3. Institute of Electrical and Electronics Engineers (IEEE), USA.
4. Academy of Science and Engineering (ASE), USA.
5. Association of Internet Researchers (AIR), USA.

Associations for Information Systems (AIS), USA.

National Institute of Health (NIH), USA

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**PROFESSIONAL ACTIVITIES**

**Projects**

**Co-PI of project title, “Managing Risks in AI Systems: Mitigating Vulnerabilities and Threats Using Design Tactics and Patterns”, 2020 IndustryXchange – seed grant (Penn State), 50000 USD, Life Span: 2020/10 – 2020/06.**

**Co-PI of project title: “AI Engineering: Managing Risks in AI Systems”, Microsoft Azure, 10000 USD. 2022. Life span: TBD**

**Conference Organizational Committee Roles**

Technical Committee Chair, International Conference on Information System and Data Mining (ICISDM) 2019, 2020 <http://www.icisdm.org/committees.html>

Program Committee Member, Complex Adaptive Systems (CAS) Conference, 2019, <https://sites.psu.edu/complexsystems/organizing-committee/>

Session Chair, Complex Adaptive Systems (CAS) Conference, 2019, <https://sites.psu.edu/complexsystems/organizing-committee/>

Workshop Chair, Complex Adaptive Systems (CAS) Conference, 2020 (TBD)

1. Session chair of upcoming INFORMS conference ICSS 2022 (July 2022)

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1. **REVIEWER**
2. Reviewer of Internet Research, Emerald Publishing
3. Reviewer of Journal of Biomedical Informatics (JBI), Elsevier
4. Reviewer of Journal of Healthcare Informatics Research, Springer
5. Reviewer of International Journal of Healthcare Information Systems and Informatics (IJHISI), IGI Global
6. (Editorial Review Board)
7. Reviewer of AMIA Annual Symposium
8. Reviewer of International Conference on Information System and Data Mining (ICISDM 2019)
9. Reviewer of Complex Adaptive Systems 2019, 2021.
10. Associate editor and Reviewer of International Journal of Software Science and Computational
11. Intelligence (IJSSCI), IGI Global, (Associate Editor), <https://www.igi-global.com/journal/international-journal-software-science-computational/1124>

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1. **SCHOLARSHIP AND AWARDS**
2. Robert W. Graham Endowed Graduate Fellowship, 2010, in Penn State University

### Ranked first in Social and Behavioral Research Presentation at Penn State Graduate Exhibition in March

### 2015. Link: [http://www.gradschool.psu.edu/exhibition/awards/?year=2015](https://webmail.ist.psu.edu/owa/redir.aspx?C=7n1_Ob_R30OoXbidozU_cijzGi7kOdIIMJEKXwZIYW7Q7SL1SubaRXP6d_2jDfvysuh-jzhjztw.&URL=http%3a%2f%2fwww.gradschool.psu.edu%2fexhibition%2fawards%2f%3fyear%3d2015)

Graduate Assistantship in College of Information Sc. and Technology, Penn State University from 2010 to 2015.

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**PUBLICATIONS**

**Journal Publication**

Raghvinder S. Sangwan, Youakim Badr, Satish Srinivasan and **Partha Mukherjee,** “On Testability of AI and Machine Learning Systems”, accepted in *IEEE Computer for March 2022 Issue.*

**Partha Mukherjee**, Youakim Badr, and Srushti N. Karvekar, "Predicting Success of Campaigns on Membership based Patreon Crowdfunding Platform", in *International Journal of Computing and Digital Systems, Vol. 11, No. 1, pp: 583-593, 2022,* UoB Scientific Journals

**Partha Mukherjee,** Youakim Badr, Srusthi Karvekar, and Shanmugapriya Viswanathan, “Coronavirus Genome Sequence Similarity and Protein Sequence Classification”, in *Journal of Digital Sciences, Vol:3, No. 2, pp: 3-18*, *2021,* ICS.

Christopher Dornick, Amit Kumar, Scott Seidenberger, Elizabeth Seidle, and **Partha Mukherjee**, “Analysis of Patterns and Trends in COVID-19 Research”, in *Procedia Computer Science, Vol. 185, pp: 302-310*, *2021,* Elsevier.

**Partha Mukherjee**, Youakim Badr, Shreyesh Doppalapudi, Satish M. Srinivasan, Raghvinder S. Sangwan, and Rahul Sharma, “Effect of negation in sentences on sentiment analysis and polarity detection”, in *Procedia Computer Science, Vol. 185, pp: 370-379*, *2021,* Elsevier.

Devendra P. Jaiswal, Srishthi Kumar, and **Partha Mukherjee,** “Customer Transaction Prediction System”, in *Procedia Computer Science, Vol. 168, pp: 49-56*, *2020,* Elsevier.

Ishita Daga, Anchal Gupta, Raj Bardhan, and **Partha Mukherjee,** “Prediction of Likes and Retweets Using Text Information Retrieval”, in *Procedia Computer Science, Vol. 168, pp: 123-128*, *2020,* Elsevier.

**Partha Mukherjee,** and Bernard Jansen,“Influence of Social Media Attitude in Cross Screen Conversation”, in *Procedia Computer Science, Vol. 168, pp: 129-138*, *2020,* Elsevier.

**Partha Mukherjee,** and Leroy, G., “Using of Lexical Chains to Identify Text Difficulty: A Corpus Statistics and Classification Study”, in *IEEE Transactions on Biomedical and Health Informatics*, *Vol. 23(5), pp: 2164-2173, 2019,* IEEE Explore.

**Partha Mukherjee,** and Bernard Jansen, “Analyzing Attitude of Second Screen Social Media Messages”, in *IEEE Intelligent Systems, Vol. 33(6), pp: 27-35*, *2018,* IEEE Computer Society.

**Partha Mukherjee** and Bernard Jansen, “Social Conversing and Web Searching: The Relationship between Social Media Posts and Search Queries”, in *Internet Research, Vol. 27(5), pp: 1209-1226, 2017*, Emerald Publishing.

Partha Mukherjee, Gondy Leroy, David Kauchak, Srinidhi Rajanarayanan, Damian Y. Romero Diaz, Nicole P. Yuan, Gail Pritchard, and Sonia Colina, “NegAIT: A New Parser for Medical Text Simplification Using Morphological, Sentential and Double Negation”, in *Journal of Biomedical Informatics, Vol:69, pp: 55-62, 2017, Elsevier.*

**Partha Mukherjee** and Bernard Jansen, “Information Sharing by Viewers via Second Screens for In Real Life Events”, in *ACM Transaction on the WEB (TWEB)*, *Vol: 11(1), pp: 1-24*, *2017,* *ACM.*

**Partha Mukherjee**, Brad Kozlek, Allan Gyorke, Cole Camplese and Bernard Jansen, “Designing Mobile and Socially Networked Learning Assistant”, in *Journal of Online Learning and Teaching (JOLT), Vol. 10, No: 3, pp: 351-373, 2014, MERLOT Publishing.*

**Partha Mukherjee** and Bernard Jansen, “Performance Analysis of Keyword Advertising Campaign Using Gender-Brand Effect of Search Queries”, in Journal of Electronic Commerce Research and Applications (ECRA), Vol. 13, No 2, pp: 139-149, 2014, Elsevier.

Swarnendu Mukherjee, Debashis Ganguly, **Partha Mukherjee**, and Prasenjit Mitra, “A Novel Technique for Copyright Protection of Images Using Hybrid Encryption Model”, in *International Journal of Modern Education and Computer Science (IJMECS), Vol 4, No 5, June 2012, pp:10-17.*

**Partha Mukherjee** and Sandip sen,"Comparing Reputation Schemes for Detecting Malicious Nodes in Sensor Networks", in *The* *Computer Journal, Vol: 54, No. 3, 2011, British Computer Society, Oxford University Press.*

**Partha Mukherjee**, Sandip Sen, and Stephane Airiau, "Norm emergence with biased agents", in International Journal on Agent Technology and Systems (IJATS), Vol: 1, No. 2, pp:71-84, USA, 2009, IGI Global.

Debashis Ganguly, Swarnendu Mukherjee, Swarnendu Bhattacharya and **Partha Mukherjee**,
“A Cognitive Study on DNA Based Computation”, in *International Journal of Recent Trends in Engineering (IRJTE), Vol. 1, No. 2*, pp:51-56, 2009, ACEEE.

**Conference Publication**

Youakim Badr, **Partha Mukherjee**, Sindhu Madhuri Thumati, "Speech Emotion Recognition using MFCC and Hybrid Neural Networks", in *the International Conference on Neural Computation Theory and Applications (NCTA)*, *Vol:1, pp: 355-373, 2021*, *Portugal,* *Scitepress Digital Library.*

**Partha Mukherjee**, Youakim Badr, and Srushti N. Karvekar. “Prediction of Success in Crowdfunding Platforms”, in International Conference on Decision Aid Sciences and Application (DASA), pp: 233-237, 2021, Bahrain, IEEE

Benjamin Mitchell, **Partha Mukherjee** and Youakim Badr, “Twitter Community Detection Using Principles of Dynamic Social Impact Theory”, in *Social and Behavioral-cultural Modeling and Prediction (SBP) 2020, Washington DC, Springer.*

Carly L. Clayman, Scott N. Clayman, **Partha Mukherjee**, “Clustering Analysis of Brain Protein Expression Levels in Trisomic and Control Mice”, in ACM International Conference on Information System and Data Mining (ICISDM), pp. 114-118, 2019, Houston, Texas, USA

**Partha Mukherjee**, Gondy Leroy, David Kauchak, Brianda J. Navarrete, Damian Y. Diaz, Sonia Colina, “The Role of Surface, Semantic and Grammatical Features on Simplification of Spanish Medical Texts: A User Study”, *in AMIA Annual Symposium, 2017, Washington D.C*

Debra Revere, **Partha Mukherjee**, David Kauchak, Gondy Leroy, “Creating a Corpus Resource for Text Simplification Research and Development”, in *AMIA Annual Symposium, 2017, Washington D.C*

**Partha Mukherjee** and Bernard Jansen, “Formality Identification in Social Media Dialogue”, *in Social and Behavioral-cultural Modeling and Prediction (SBP) 2016, Washington DC, pp: 13-22, Springer.*

**Partha Mukherjee** and Bernard Jansen, “Second Screen Interaction Analysis for IRL Events: Phase-Category Investigation of the Super Bowl 2015 Social Soundtrack”, *in IEEE International Conference on Information and Communication Systems (ICICS 2016), Irbid, Jordan.*

**Partha Mukherjee** and Bernard Jansen, “Analyzing Second Screen Based Social Soundtrack of TV Viewers from Diverse Cultural Settings”*, in Social and Behavioral-cultural Modeling and Prediction (SBP) 2015, Washington DC,* LNCS 9021, pp: 375-380, Springer.

**Partha Mukherjee** and Bernard Jansen, “Evaluating Classification Schemes for Second Screen Interactions”*,* in *2015 IEEE International Conference on Computing, Networking and Communications, Social Computing and Semantic Data Mining, 2015. CA, USA. pp: 879-883*

**Partha Mukherjee** and Bernard Jansen, “Social TV and Social Soundtrack: Significance of Second Screen Interaction During Television Viewing”, in Social computing, Behavioral modeling and Prediction (SBP) 2014, DC, USA, LNCS 8393, pp: 311-317, Springer.

**Partha Mukherjee,** Jian-Syuan Wong and Bernard Jansen, “Patterns of Social Media Conversations Using Second Screens”*, in sixth ASE international conference on Social Computing 2014 (SocialCom’14), Stanford, CA, USA.*

**Partha Mukherjee** and Bernard J. Jansen, “The Gender-Brand Effect of Key-phrases on User Clicks in Sponsored search”*, in SIGCHI Extended Abstracts, 2013, Paris, France.*

**Partha Mukherjee** and Bernard J. Jansen, “Gender-Brand Effect of Search Queries on Sponsored Search Performance”, in 76th Annual Meeting of the American Society for Information Science and Technology, ASIST 2013, Montreal, Canada.

Debashis Ganguly, Swarnendu Mukherjee, Kheyali Mitra and **Partha Mukherjee**, “A Novel Approach for Edge Detection of Images”, in IEEE *International Conference on Computer and Automation Engineering (ICCAE 2009), 2009, Bangkok, Thailand.*

Debashis Ganguly, Swarnendu Mukherjee, Somnath Naskar and **Partha Mukherjee**, “A Novel Approach for Determination of Optimal Number of Clusters”, in IEEE *International Conference on Computer and Automation Engineering (ICCAE 2009), 2009, Bangkok, Thailand.*

Joydeep Das, **Partha Mukherjee**, Subhashis Majumdar, Prosenjit Gupta, “Clustering-based Recommender System using Principles of Voting Theory”, in IEEE *International Conference on* *Contemporary Computing and Informatics (IC3I), 2009. pp: 230-235, Mysore, India.*

**Partha Mukherjee** and Sandip Sen,"Using Learned Data Patterns to Detect Malicious Nodes in sensor Networks",in the proceedings of the 9th International Conference On Distributed Computing And Networking (ICDCN), 2008, Springer, India, 2008.

**Partha Mukherjee**, Sandip Sen, and Stephane Airiau, "[Emergence of Norms with Biased Interactions in Heterogeneous Agent Societies](http://dl.acm.org/citation.cfm?id=1339632)", in Proceeding of seventh International Joint Conference on Autonomous Agents and Multiagent Systems, AAMAS, 2008, Portugal.

**Workshop papers**

**Partha Mukherjee** and Bernard Jansen, “The Changing Nature of Viewership: Formality of Social Media Conversations”, *in CHI 2016 workshop on Following User Pathways, ACM conference on Human Computer Interaction (SIGCHI’16), 2016, San Jose, CA, USA.*

**Partha Mukherjee** and Bernard Jansen, “Evaluating Pattern for Group Interactions using Second Screens”*,* in *IEEE International Conference on Computing, Networking and Communications (ICNC), Workshop on Computing, Networking and Communications(CNC), 2015, pp: 433-437, CA, USA.*

**Partha Mukherjee** and Bernard Jansen, “Correlation of Brand Mentions in Social Media and Web Searching Before and After Real Life Events,” *in 1st IEEE international workshop on Event Analytics using Social Media data*, *ICDM, Atlantic city, NJ, USA, 2015*.

**Partha Mukherjee** and Bernard Jansen, “Analyzing the Social Soundtrack from Second Screens Before, During, and After Real-life Events: Phase Investigation of Social Media Concerning US Super Bowl 2015”*,* in *1st IEEE international workshop on Online Social Networks technologies (OSNT’15), Jordon IEEE Conference on Applied Electrical Engineering and Computing Technologies (AEECT), 2015, Dead Sea, Jordan.*

**Partha Mukherjee**, Sandip Sen, and Stephane Airiau, "Norm emergence with biased agents", in Proceeding of workshop on Adaptive and Learning Agents(ALAMAS-ALAg-08), AAMAS, 2008, Estroil, Portugal.

**Partha Mukherjee** and Sandip sen,"Comparing Reputation Schemes for Detecting Malicious Nodes in Sensor Networks ", in Proceeding of workshop on Agent Technology for Sensor Networks (ATSN 08), AAMAS, 2008, Estroil, Portugal.

**Partha Mukherjee** and Sandip sen,"Detecting Malicious Sensor Nodes from Learned Data Patterns", in proceeding of workshop on Agent Technology for Sensor Networks (ATSN 07), AAMAS, pages 11-17, 2007, Hawaii, USA.

**Partha Mukherjee**, Sandip Sen, and Stephane Airiau, "Norm Emergence in Spatially Constrained Interactions", in Proceeding of workshop on Adaptive and Learning Agent s(ALAg-07), AAMAS, pages 79-83, 2007, Hawaii.

**Partha Mukherjee**, Sandip Sen, and Stephane Airiau, "Emergence of Norms with Biased Interactions in Heterogeneous Agent Societies",in Proceeding of 2nd International workshop on Agents and Data Mining Interaction( ADMI-07), ACM International Conference on Intelligent Agent Technology (IAT - 07), 2007, Silicon Valley, USA.

**Book chapters**

**Mukherjee, P**, Kozlek, B., Gyorke, A., Camplese, C. and Jansen, B. J., “**Leveraging Mobile Technology to Enhance Both Competition and Cooperation in an Undergraduate STEM Course**.”, *Innovative Practices in Teaching Information Sciences and Technology: Experience Reports and Reflections, J. Caroll (Editor), pages 167-178,* *Publisher: Springer, Switzerland 2014*.

Sandip Sen, Sabyasachi Saha, Stephane Airiau, Teddy Candale, Dipyaman Banerjee, Doran Chakraborty, **Partha Mukherjee** and Anil Gursel, **"Robust Agent Communities"**, in Autonomous Intelligent Systems: Agents and Data Mining, V. Gorodetsky, C. Zhang, V.A. Skormin, and L. Cao (Editors), pages 28--45, Lecture Notes in Artificial Intelligence (LNAI), volume 4476, publisher: Springer, Russia, 2007.

**Working Papers**

**Partha Mukherjee**, Youakim Badr, and Bernard J. Jansen, "Analysis of Formality in Second Screen Postings for Television Broadcast of In-Real Life Events ", submitted in *Journal of Communication and Media Studies (Under Review),* CGScholars.

Peter Abraldes, James Rotella, **Partha Mukherjee**, and Youakim Badr, “Machine Learning Approaches with U.S. Maritime Trace & Covid-19 Impact”, submitted in *Encyclopedia of Data Science and Machine Learning (Under Review), IGI Global, USA*

**STUDENTS SUPERVISED**

**Current:** Garrett L. Keyser, Miguel F. Garcia, Deeksha Joshi

**Past:** Srushti N. Karvekar, Gauravi Patil, Devendra Jaiswal. Ishita Daga, Sindhu Madhuri Thumati, Eeswar Veerbhadra, Shanta Phani, Jaydeep Das, Jayanta Basu,

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**INVITED TALK**

SiR applied: Relationship intelligence (R state & algorithms, R metrics & statistics), in Awareness Order-To-Cash Forum: 1st round table event, 2015, Rotterdam, Netherlands (with Olaf Hermens).

“Do Your Students Know What You Want Them To the Rescue: Learning Goals and Analytics”, at Learning Design Summer Camp (LDSC) 2014, Pennsylvania State University, USA. (with Mr. T. K. Lee and Dr. William Goffe).

“Designing Mobile and Socially Networked Learning Assistant”, at Teaching and Learning with Technology (TLT) Symposium 2012, Pennsylvania State University, USA. (with Dr. Bernard J. Jansen).

Elliptic Curve Cryptography on September 24, 2005, organized by IEEE, Kharagpur Section in Indian Institute of Technology, Kharagpur (IIT Kharagpur), India.

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**OTHER ACADEMIC ACTIVITIES**

### Teaching Assistant: IST 240: Intro to Computer Languages

### Teaching Assistant: IST 552: Data and Knowledge Management

### Teaching Assistant: IST 210: Organization of Data

### Teaching Assistant: SRA 497A: Statistical Analysis for Information Sciences

### Teaching Assistant: IST 311: Object Oriented Design and Software Applications

### Participant in Research Presentation at Penn State Graduate Exhibition in March 2016.

### Participant in Research Presentation at Penn State Graduate Exhibition in March 2013.

### Participant in Research Presentation at Penn State Graduate Exhibition in March 2012.

### Volunteered the “Virtual Agent” session in seventh International Joint Conference on Autonomous Agents and Multiagent Systems, AAMAS, Portugal, 2008.

### Certificate for attending AICTE / MHRD sponsored refreshers course on Enterprise Resource Planning

### (ERP) management in 2008.

### Participant in Research Presentation at University of Tulsa Research Colloquium in Feb 2007.

### Participation in CIMPA School of Security jointly organized by INRIA, France and Indian Institute of

### Science(IISC), Bangalore held in IISC Bangalore in 2005.

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**OTHER INFORMATION**

### DOB: 4th March 1973

**GOOGLE SCHOLAR CITATION:** 427, h-index: 11, i-10 index: 14 <https://scholar.google.com/citations?hl=en&user=HESdJt4AAAAJ>

**Language Proficiency:** English, Bengali, Hindi

**References:** Provided if suggested