MEDIA/PRESS RECOGNITIONS (IN THE NEWS):

- **Italian Magazine Focus Extra (Pages 76,77,78 of Extra)** mentions about our OSN based Flu Trends research

- **Georgia Department of Public Health News** - "Researchers Now Using Social Media to Track Flu Epidemics."

- **Computer Science Department News** - Achrekar defends PhD thesis on using social networks to predict flu trends on September 6, 2012.

- Harshavardhan Achrekar awarded **Outstanding Computer Science Graduate Student** at University of Massachusetts Lowell - 2012

- **Computer Science Department News** - "Twitter improves Seasonal Influenza Prediction", Health Informatics, Portugal, February 2012 received Best Student Paper Award.

- "Researchers can Follow Outbreaks in Real Time" article published in University of Massachusetts, Lowell news by Edwin L, Aguirre on October 07, 2011.

- "Tweets speak volumes about flu epidemics in USA" article published in Computer Science Department news by Martin, Fred on April 21, 2011.


- **Book - Wisdom of the crowd** by Samen Slimmer provides reference to my research work

- **Computational Social Science Course** offered as part of curriculum which has cited my work
  - Markus Strohmaier Univ. of Koblenz-Landau, Germany. Computational Social Science and microposts - The good, the bad and the ugly was presented at WWW’2014 Korea, Seoul mentions about my work on predicting flu trends using Twitter.
  - GESIS – Leibniz Institute for the Social Sciences is the largest infrastructure institution for the Social Sciences in Germany.
  - Course work - Course #04199, module 04IN2042 - Computational Social Science
  - Subject - Introduction to computational social science (CSS01) by Lauri Eloranta, University of Helsinki, Finland
  - Course Work :- Hot Topic in Cloud Computing 3
    SUNY Buffalo in Fall 2013 by Prof. Chunming Qiao
  - Course Work :- MIT 803 Introduction to Information Ethics for Big Data Science by Dr Marlene Holmner and Rachel Fischer, University of Pretoria
Course Work: - CSC 600: Data Mining (Advance Seminar) by Assistant Professor Richard Burns Computer Science dept. West Chester University, PA, USA

- "Predicting flu trends using twitter data" listed in Preliminary List of Reference for Twitter and the Real World at Conference on Information and Knowledge Management (CIKM) 2013.

- **Youth Violence: What we Need to Know**
  Report of the Subcommittee on Youth Violence of the Advisory Committee to the Social, Behavioral and Economic Sciences Directorate, National Science Foundation has a reference to my work.

- Transcendingdigital Space - In Academic, Data Science, SRDW2015, Twitter Analysis by Björn on August 24, 2015 mentions about my research.

- InGRID, Inclusive Growth Research Infrastructure Diffusion report "what are the new occupations and the new skills? And how are they measured?" reflects upon my research.

- Prof. Benyuan Liu gave a presentation on “Predicting flu trends using twitter data” at Boston Predictive Analytics Workshop.

- Health based crowdsourcing app - **Sickweather** - Social Media as A Public Health Surveillance Tool: Evidence And Prospects whitepaper discusses social media public health surveillance.

**Panelist/Reviewer/TPC MEMBER:**

- International AAAI Conference on Web and Social Media (ICWSM-2017)
- International Conference on Digital Health -(DH 2017)
- ACM Conference on Hypertext and Social Media -(ACM HYPERTEXT 2017, 2018)
- International Journal on Knowledge and Information Systems - (KAIS 2017)
- International Journal on Computational Social Networks - (CSON 2017)
- International Conference on Social Media, Wearable and Web Analytics - (Social Media 2017)
- 19th International Conference on Social Informatics (ICSI 2017)
- 15th International Conference on Practical Applications of Agent and multi-agent systems - Special session on Web and Social Media Mining – WASMM 2017 Special session of PAAMS 2017
- European Conference on Information Retrieval - Workshop on Social Media for Personalization and Search - (SOMEPEAS 2017)
- IEEE INFOCOMM 2015, 2017 - By Invitation
- IEEE International Conference on Data Mining series (ICDM 2017) - By Invitation
- International Conference on Swarm Intelligence - (ICSI 2017)
- Future Technologies Conference - (FTC 2017)
- International Symposium on Computer Science and Intelligent Controls - (ISCSIC 2017)
- International Conference on Computer Science, Computer Engineering and education technologies -(CSCEET 2017)
CITATIONS (350+):

(A) Citations in Thesis

1. Contagion and ranking processes in complex networks: the role of geography and interaction strength
   PhD Thesis - Qian Zhang
   College of Computer and Information Science, Northeastern University, Boston, MA

2. Twituational awareness: gaining situational awareness via crowdsourced #DISASTER epidemiology
   Daniel T. Cain, Naval Postgraduate School, Monterey, California

3. ENHANCED WEB-BASED SUMMARY GENERATION FOR SEARCH
   Brent Wenerstrom, Doctor of Philosophy 2012, Brigham Young University

4. Measuring Customer Sentiment on Twitter
   Olga Mierzwa, Econometric Institute, Erasmus School of Economics, Erasmus University Rotterdam

5. Online Social Network Sensors for Influenza Outbreak
   Katie Elizabeth Everett, Master's Thesis, Massachusetts Institute of Technology

6. A probabilistic topic modeling approach for event detection in social media
   Courtland VanDam - Master's Thesis, Michigan State University

7. Comparison of Language Identification Techniques
   Leonid Panich, Institute for Computer Databases and Information Systems University of Düsseldorf

8. Knowledge Discovery for Intelligence Analysis
   Patrick J.C. Butler, Doctor of Philosophy, Computer Science, Virginia Polytechnic Institute and State University

9. Controversy Trend Detection in Social Media
   Rajshekhar V. Chimmalgi, Master of Science Thesis, Louisiana State University, Agricultural and Mechanical
   College in Engineering Science

10. Consistency and Sensitivity Analysis of Multi-level Petri Net Models of Biological Systems
    Shauheen Zahirazami, Doctor of Philosophy Concordia University 2013

11. Decisions and their unintended consequences
    Pavlin Mavrodiev - Doctor of Sciences of ETH Zurich
12. Monitoring Dengue Outbreaks using Online Data
   Jedada Chartree, Dissertation - Doctor of Philosophy University of North Texas

13. Google searches and financial markets: IPOs and uncertainty
   Tomá Vakrman, Faculty of Social Sciences, Institute of Economic Studies, Charles University, Prague

14. Predicting Diffusion of Contagious Diseases using Social Media Big Data
   Lauren Elkin, Master of Science Department of Electrical Engineering and Computer Science, Case Western Reserve University.

15. Nowcasting using Microblog Data
   Christian Andersson Naesseth, Department of Electrical Engineering Linköpings tekniska högskola
   Linköpings universitet Linköpings universitet SE-581 83 Linköping, Sweden 581 83 Linköping

16. Multi-Source Learning in a 3G Network
   YLVA ERSVIK, Master’s Thesis at CSC, KTH

17. TDC (Twitter Data Collection): Creación de una gran base de datos de Tweets
   Borja Gil Pérez, Universidad Autónoma de Madrid

   Georey Colin Fairchild, Doctor of Philosophy degree in Computer Science - The University of Iowa

   Fnu Shruti, Master of Science, University of Missouri.

20. Social Network for mining detection and forecast actual events
   Janaina Sant’anna Gomide, Department of Computer Science Institute of Exact Sciences Federal, University of Minas Gerais

21. On Cross-Domain Social Semantic Learning
   Suman Deb Roy, Dissertation(2013), Faculty of the Graduate School, University of Missouri-Columbia

22. Empirical Research on Correlation Model of Residential House Price Based on Web Mining
   LIU Kang - Masters Thesis, Beihang University, Beijing, China

23. Using Social Media Content to inform Agent-Based Models for Humanitarian Crisis Response
   Sarah Wise - Dissertation, George Mason University

24. Predicting influenza hospitalizations
   Anurekha Ramakrishnan, Master of Science in Statistics, University of Texas at Austin, August 2012

25. Modeling of Emerging Infectious Diseases for Public Health Decision Support
   Caitlin M. Rivers, Virginia Polytechnic Institute and State University
   Doctor of Philosophy in Genetics, Bioinformatics and Computational Biology
26. **Stop Flu: BI system for predictive analysis flu** (StopFlu: Sistema BI d’ana lisi predictiu contra la grip)
   Ruben Vidal Almerge, Master in Computer Engineering, Open University of Catalonia, Barcelona, Spain

27. **Weak Signal Detection on Twitter Datasets**
   Bihao Song, Masters Thesis, Web Information Systems
   Department of Software Technology, Faculty EEMCS, Delft University of Technology, Netherlands

28. **The Use of Sentiment Tag on Social Text Analysis**
   WangZuo, Dalian University of Technology

29. **Using Twitter to Analyze Stock Market and Assist Stock and Options Trading**
   Yuexin Mao, University of Connecticut

30. **Composing a more complete and relevant Twitter dataset**
    Han van der Veen, Faculty of Electrical Engineering, Mathematics and Computer Science Databases Research Group, University of Twente, Netherlands

31. **The Making of Predictions: Social Media-Based Prediction and Its Resources, Techniques, and Applications**
    F. N. (Fernando) van der Vlist, Faculty of Humanities, degree of Master of Arts (M.A.) Department of Media Studies at the University of Amsterdam,

32. **Validity and Reliability of web search based predictions for car sales.**
    Mischa Voortman, Master Thesis, University of Twente

33. **Hyperlocal Trending Topics on Twitter**
    Aaron Kalair, The University of Warwick

34. **Big Data and Disease: Using Twitter to Model the 2014 Outbreak of Chikungunya Fever in Puerto Rico**
    Wesley King Chen
    Department of Applied Mathematics, Harvard University

35. **The significance of the impact on the perception of the stock market courses**
    Bc. Klára Skeeter, Faculty of Business and Economics, Mendel University in Brno

36. **Temporal Dynamics in Information Retrieval**
    Stewart William Whiting
    School of Computing Science, College of Science and Engineering, University of Glasgow, Scotland, UK

37. **Predictive power of web Big Data in Financial Economics**
    Gabriele Ranco
    PhD Program in Economics, Markets and Institutions, IMT Institute for Advanced Studies, Lucca, Italy 2015

38. **Approximating geodesic distance and graph centrality on shared nothing architectures**
    Atilla soner balkir
39. **On using social media to predict elections. A meta-analysis**  
   Brent Pretty, Master’s Thesis Ryerson University

40. **Twitter sentiment analysis to study association between food habit and diabetes**  
   Thesis Nazila Massoudian  
   Bachelor of Science, Tehran Azad University of Engineering and Technology, 2006  
   Department of Electrical Engineering and Computer Science Wichita State University

41. **The opinion Dutch people have on Ebola on Twitter versus what message about Ebola is spread in Dutch newspapers: a comparison**  
   Bsc H.L.M. Feijen  
   Thesis - Master Information Science University of Groningen, Netherlands

42. **Study of microblog activity on cyanobacterial harmful algal blooms**  
   Thesis Awani Ravindra Joshi, The University of Georgia

43. **Design and Implementation of a Component-based Distributed System for Text Mining in Social Networks**  
   Yu Huang  
   Thesis - Master of Engineering, Electrical and Computer Engineering, University of Ontario Institute of Technology

44. **Exploring the Use of Grocery Store Audits to Impact Food Safety Behavior**  
   Natalie Rose Seymour  
   Masters thesis - North Carolina State University

45. **Modeling the Past, Present, and Future of Influenza**  
   David Farrow  
   Thesis Computational Biology Department, School of Computer Science, Carnegie Mellon University

46. **Health Data Analytics: Data and Text Mining Approaches for Pharmacovigilance**  
   Liu, Xiao, Doctor of Philosophy Thesis , The University of Arizona

47. **Feature Extraction to Improve Nowcasting Using Social Media Event Detection on Cloud Computing and Sentiment Analysis**  
   David L. Kimmey  
   Masters Thesis, Indiana University - Purdue University Fort Wayne

48. **Going viral: internet and social media based surveillance systems for detecting influenza activity in maryland**  
   Lisa Marie Bowen, MPH Epidemiology, 2015  
   Thesis, University of Maryland, College Park
49. Mining Social Media to Understand Consumers' Health Concerns and the Public's Opinion on Controversial Health Topics
   Ph.D. Thesis Yang Liu, University of Michigan

50. The potential analysis the use of social networks in marketing purposes Case study on electronic cigarettes
   Master’s Thesis in Marketing and Communication - Federica Fedrigo

51. Analyzing emotions on Twitter during the 2014 Purdue University shooting crisis
   Master’s Thesis Elaheh Molla Allameh, Purdue University

52. Identifying Real World Concepts in Social Media
   Doctoral Thesis by Andrew Yates, Georgetown University

53. Statistical Data Mining for Sina Weibo, a Chinese Micro-blog: Sentiment Modelling and Randomness Reduction for Topic Modelling
   Wenqian Cheng - Ph.D. Thesis
   London School of Economics and Political Sciences

54. Understanding the Real World through the Analysis of User Behavior and Topics in Online Social Media
   Theodore Georgiou - Ph.D. Thesis
   University of California Santa Barbara

55. Real-Time Social Network Data Mining For Predicting The Path For A Disaster
   Saloni Jain, Georgia State University
   Advisors : Yanqing Zhang, PhD (Department of Computer Science, Georgia State University, Atlanta, USA)

56. An Ontology-based Framework for formulating SpatioTemporal Influenza (Flu) Outbreak from Twitter.
   Maddumage Udaya Kumara Jayawardhana
   Masters Thesis at Graduate College of Bowling Green State University
   Advisors : Dr Peter Gorsevski
   Context - New application developments that are focused on different methodological ideas for real-time influenza tracking have been also reported by multiple researchers (Achrekar et al. 2011). For instance, authors used fixed tag word frequency analysis in flu tweets (i.e., keyword “flu”) for tracking cases of influenza in real-time. Achrekar et al (2011) used text mining and autoregression with exogenous inputs (ARX) model where past time-series ILINet data from CDC represent the autoregression portion of the model while tweets serve as exogenous inputs (i.e., external component). The intention of the model is to relate tweets to the time-series where one would like to explain the extent ofILI cases 5 reported with high accuracy.

57. Social Media and Forecasting: What is the potential of Social Media as a forecasting tool?
   Melina Barakos
   University of Twente, The Netherlands
   Supervisors: Dr. E. Constantinides & Dr. R. Loohuis
   Context- Achrekar et al. (2011) claim to have predicted flu trends with Twitter data by making use of their own developed Social Network Enabled Flu Trends (SNEFT) framework which observes messages posted on Twitter
with reference to flu indicators. Almost every piece of literature which was analyzed during this literature review, at some point made use of statistical methods in their empirical research or discussed statistical methods as a means of analysis for Social Media data in order to make sense of the data they have collected.

58. Event Detection in High Throughput Social Media
   Michael Weiler
   Dissertation an der
   Fakultät für Mathematik, Informatik und Statistik der Ludwig-Maximilians-Universität, München
   Supervisors: Prof. Dr. Hans-Peter Kriegel

59. On Estimation Problems in Network Sampling
   Wei, Ran
   2016, Doctor of Philosophy, Ohio State University, Statistics.
   David Sivakoff, Dr. (Advisor)
   Elizabeth Stasny, Dr. (Advisor)

60. Data mining Twitter for cancer, diabetes, and asthma insights
   Chulis, Kimberly
   Purdue University, West Lafayette, Indiana
   Advisor:- Dr. Richard Feinberg, Professor of Consumer Sciences and Retailing

61. Layered Performance Modelling and Evaluation for Cloud Topic Detection and Tracking based Big Data Applications
   Meisong Wang
   Engineering and Computer Science
   Australian National University
   Master’s Thesis
   Supervisor:- Associate Prof. Rajiv Ranjan

62. Translated- An investigation of aspects of topic classification for short texts
   Oliveira, Ewerton Lopes Silva de
   Advisor- Formiga, Andrei de Araujo
   FEDERAL UNIVERSITY OF PARAIBA

   FONSECA, Antonio Jorge Filipe
   Advisor-Louca, Jorge Manuel Anacleto

64. Event processing using Semantic web technologies
   Mikkio J. Rinne
   Advisor- Professor Heikki Saikkonen,
   Aalto University, Finland

65. Monitering Tweets for Depression to detect at-risk users
   Zunaira Jamil
Advisor - Dr. Diana Inkpen  
School of Electrical Engineering and Computer Science  
Faculty of Engineering  
University of Ottawa

**66. Discovering and Mitigating Social Data Bias**  
Fred Morstatter  
Doctor of Philosophy thesis  
Advisor-Dr. Huan Liu, Chair,  
Arizona State University, August 2017

**67. Demographic Bias Correction for Social Media Data**  
Christopher Wienberg  
University of Southern California  
Doctor of Philosophy thesis (Computer Science)  
A Temporal Topic Model for Social Trend Prediction

**68. A Temporal Topic Model for Social Trend Prediction**  
Somayyeh Aghababaei  
Ph.D. thesis  
Advisor- Dr. Masoud Makrehchi  
Department of Electrical, Computer and Software Engineering  
Faculty of Engineering and Applied Science  
University of Ontario Institute of Technology

**69. Towards an understanding of job matching using web data**  
Fabo, B  
Ph.D. Thesis 2017  
Tilburg University, Center for Economic Research  
Advisors:- Marcel Das, Kea Tijdens and Martin Kahanec

(B) Citations in Publications and Journals

1. "I can’t get no sleep": Discussing #insomnia on Twitter  
   Sue Jamison-Powell, Conor Linehan, Laura Daley, Andrew Garbett, Shaun Lawson  
   Lincoln Social Computing Research Centre, University of Lincoln, LN6 7TS, UK

2. Distributed method for Twitter data processing and its applications  
   Zhang Zhenhua, Wu Kaichao  
   University of Chinese Academy of Sciences, Beijing 100049, China  
   Computer Network Information Center, Chinese Academy of Sciences, Beijing 100190, China

3. Literature Survey on Interplay of Topics, Information Diffusion and Connections on Social Networks  
   Kuntal Dey, Saroj Kaushik and Venkata Subramaniam
4. Comparison of Baidu index and Weibo index in Surveillance of influenza virus in China
Lu Li, Zou Yuanqiang, Peng Yousong, Li Kenli, Jiang Taijiao
College of Computer Science and Electronic Engineering
Hunan University, Changsha 410082 China
Key Laboratories of Protein and Peptide Pharmaceutical, National Laboratory of Biomolecules, Institute of Biophysics, Chinese Academy of Science, Beijing 100101, China

5. Twitter volume spikes and stock options pricing
Wei Wei, Yuexin Mao, Bing Wang
FinStats.com, United States
Computer Science & Engineering Department, University of Connecticut, United States

6. Public microblogging on climate change: One year of Twitter worldwide
Andrei P. Kirilenko, Svetlana O. Stepchenkova
Department of Earth Systems Science and Policy, University of North Dakota, Stop 9011, Grand Forks, ND 58202-9011.
The Department of Tourism, Recreation and Sport Management, University of Florida, P.O. Box 118208, Gainesville, FL 32611-8208

7. Predicting the cricket match outcome using crowd opinions on social networks: A Comparative study of machine learning methods.
Mustafa, Raza Ul; Nawaz, M. Saqib; Ullah Lali, M. Ikram; Zia, Tehseen; Mehmood, Waqar
Peking University, China
University of Gujrat, India
University of Sargodha

8. Incident related tweet extraction with density ratio estimation
18th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems - KES2014
Hidekazu Yanagimotoa, Suguru Isajib
Osaka Prefecture University, 1-1, Gakuen-cho, Naka-ku, Sakai, Osaka, 599-8531, Japan
NTT docomo, 4-1-22, Onogara-dori, Chuo-ku, Kobe, Hyogo, 651-0088, Japan

9. Twitter Interactions as a Data Source for Transportation Incidents
Eric Mai, Rob Hranac
Berkeley Transportation Systems, Inc. An Iteris Company
2150 Shattuck Ave, Berkeley, CA 94704

10. Applied Geography - Using geolocated Twitter data to monitor the prevalence of healthy and unhealthy food references across the US
Michael J. Widener, Wenwen Li
Department of Geography, University of Cincinnati, Cincinnati, OH, USA
11. Identification of Epidemic Life Cycle of Flu using Correspondence Analysis
Amit Verma and Rajeev Mohan Sharma
Department of Computer Engineering NIT Kurukshetra Kurukshetra, Haryana, India

12. Visual Analytics of Microblog data for pandemic and crisis analysis
C. Pritchard, R. Walker and J. C. Roberts
School of Computer Science, Bangor University, UK
International Workshop on Visual Analytics (2012)
K. Matkovic and G. Santucci (Editors)

13. Forecasting of literacy rate using statistical and data mining methods
Swati Jain, Nitin Mishra
M.Tech Scholar CSE dept RCET Bhilai India,
Associate Professor CSE Dept RCET Bhilai India

14. A Data-driven Inference Algorithm for Epidemic Pathways Using Surveillance Reports in 2009 Outbreak of Influenza A (H1N1)
Xun Li, Xiang Li and Yu-Ying Jin
51st IEEE Conference on Decision and Control, December 10-13, 2012. Maui, Hawaii, USA
Adaptive Networks and Control Lab., the Department of Electronic Engineering, Fudan University, Handan Road 220, Shanghai 200433, China
School of International Business Administration, Shanghai University of Finance and Economics, Guoding Road 777, Shanghai 200433, China

15. O Twitter, where art thou?
Bertone Alessio and Dirk Burghardt
Institute of Cartography, Dresden University of Technology, Dresden, Germany
Helmholzstr. 10 D-01062 Dresden, Deutschland

16. Top Health Trends: An information visualization tool for awareness of local health trends
Sung Pil Moon, Yikun Liu, Steven Entezari, Afarin Pirzadeh, Andrew Pappas and Mark S. Pfaff
Indiana University, IN, USA
MESH Coalition, IN, USA

17. Web Data Mining and Social Media Analysis for better Communication in Food Safety Crises
International Journal on Food System Dynamics 6 (3), 2015, 129-138129
Christian H. Meyer, Martin Hamer, Wiltrud Terlau, Johannes Raithel, and Patrick Pongratz
International Center for Sustainable Development, University of Applied Sciences Bonn-Rhein-Sieg, Germany
European IT Consultancy, EITCO GmbH, Bonn, Germany

18. Investigating Usability and User Experience from the user postings in Social Systems
Marilia S. Mendes, Elizabeth Furtado, Vasco Furtado, Miguel F. de Castro
Federal University of Ceará (UFC), Russas, CE – Brazil
19. Early Stage Influenza Detection from Twitter
Jiwei Li and Claire Cardie
School of Computer Science, Carnegie Mellon University, Pittsburgh, PA 15213
Department of Computer Science, Cornell University, Ithaca, NY 14850

20. Suppressing epidemics on networks by exploiting observer nodes
Taro Takaguchi, Takehisa Hasegawa, and Yuichi Yoshida
National Institute of Informatics, 2-1-2 Hitotsubashi, Chiyoda-ku, Tokyo, 101-8430, Japan
JST, ERATO, Kawarabayashi Large Graph Project, Japan
Graduate School of Information Science, Tohoku University, 6-3-09, Aramaki-Aza-Aoba, Sendai, Miyagi, 980-8579, Japan
Preferred Infrastructure, Inc., 2-40-1 Hongo, Bunkyo-ku, Tokyo, 113-0033, Japan

21. Detecting epidemics using Wikipedia article views: A demonstration of feasibility with language as location proxy
Nicholas Generous, Geoffrey Fairchild, Alina Deshpande, Sara Y. Del Valle, Reid Priedhorsky
Defense Systems and Analysis Division, Los Alamos National Laboratory, Los Alamos, New Mexico, USA

22. PLOS Computational Biology - Global Disease Monitoring and Forecasting with Wikipedia
Nicholas Generous, Geoffrey Fairchild, Alina Deshpande, Sara Y. Del Valle, Reid Priedhorsky
Defense Systems and Analysis Division, Los Alamos National Laboratory, Los Alamos, New Mexico, United States of America

23. Coupling news sentiment with web browsing data predicts intra-day stock prices
Gabriele Ranco, Ilaria Bordino, Giacomo Bormetti, Guido Caldarelli
IMT Institute for Advanced Studies, Piazza San Francesco 19, 55100 Lucca, Italy,
Yahoo Labs, Barcelona, Spain,
Scuola Normale Superiore, Piazza dei Cavalieri 7, 56126 Pisa, Italy,
QUANTLab, Via Pietrasantina 123, 56122 Pisa, Italy,
ISC-CNR, Via dei Taurini 19, 00185 Roma, Italy,
London Institute for Mathematical Science, South St. 35 Mayfair, London W1K 2XF, UK,
Dipartimento di Fisica e Chimica, Universit à degli Studi di Palermo, Viale delle Scienze Ed. 18, 90128 Palermo, Italy,
yySanta Fe Institute, 1399 Hyde Park Road, Santa Fe, NM 87501, USA, and zzMediobanca S.p.A, Piazzetta E. Cuccia 1, 20121 Milano, Italy

24. Information Diffusion in Social Sensing
Vikram Krishnamurthy, and William Hoiles
Department of Electrical and Computer Engineering, University of British Columbia, Vancouver, Canada

25. PLOS One RESEARCH ARTICLE - The Topology of a Discussion: The #Occupy Case
26. Overcoming Data Scarcity of Twitter: Using Tweets as Bootstrap with Application to Autism-Related Topic Content Analysis
Adham Beykikhoshk, Ognjen Arandjelović, Dinh Phung and Svetla Venkatesh
Centre for Pattern Recognition and Data Analytics, School of Information Technology, Deakin University, Geelong, VIC 3216, Australia

27. A Hierarchical Learning Model for Extracting Public Health Data from Social Media
Elahm Rastegari, Hesham H. Ali and Sasan Azizian
University of Nebraska at Omaha
at Twenty-third Americas Conference on Information Systems (AMCIS) 2017 - Healthcare Informatics & Health Information Technology (SIGHealth)

28. Modeling Precursors for Event Forecasting via Nested Multi-Instance Learning
Yue Ning, Sathappan Muthiah, Huzefa Rangwala, Naren Ramakrishnan
Discovery Analytics Center, Virginia Tech, Arlington, VA 22203
Department of Computer Science, George Mason University, Fairfax, VA 22030

29. Tracking Dengue Epidemics using Twitter Content Classification and Topic Modelling
School of Computing Science, Newcastle University, UK
PUC-Rio, Rio de Janeiro, Brazil

30. Turkish TV rating prediction with Twitter
Cenk Akarsu, Banu Diri
Teknik Universitesi, Istanbul, Turkiye
at 2016 24th Signal Processing and Communication Application Conference (SIU)

31. Automatic detection of tweets reporting cases of influenza like illnesses in Australia
Health Information Science and Systems 2015
Guido Zuccon, Sankaip Khanna, Anthony Nguyen, Justin Boyle, Matthew Hamlet, Mark Cameron
Information Systems School, Queensland University of Technology, Brisbane, Australia

32. A review of data mining using big data in health informatics
Journal of Big Data 2014
Matthew Herland, Taghi M Khoshgoftaar and Randall Wald
Florida Atlantic University, 777, Glades Road, Boca Raton, FL, USA

33. Security Games on Social Networks
Thanh H. Nguyen, Jason Tsai, Albert Jiang, Emma Bowring, Rajiv Maheswaran, Milind Tambe
34. **Multi-Tweet Summarization for Flu Outbreak Detection**
   Association for the Advancement of Artificial Intelligence (Information Retrieval and Knowledge Discovery in Biomedical Text)
   Brent Wenerstrom, Mehmed Kantardzic, Elaheh Arabmakki and Musa Hindi
   Computer Engineering and Computer Science Department, University of Louisville, Louisville, KY 40292

35. **Real-Time Flu Monitoring System and Decision Informatics**
   Sonya Hsu, Ryan Benton and Raju Gottumukkala,
   School of Computing and Informatics, RPA College of Sciences, University of Louisiana, Lafayette
   Center of Visual and Decision Informatics, University of Louisiana, Lafayette
   NIMSAT Institute, CBIT, University of Louisiana, Lafayette

36. **nEmesis: Which Restaurants Should You Avoid Today?**
   Adam Sadilek, Google Mountain View, CA
   Sean Brennan, University of Rochester, Rochester, NY
   Henry Kautz, University of Rochester, Rochester, NY
   Vincent Silenzio, University of Rochester, Rochester, NY

37. **Worldwide Influenza Surveillance through Twitter**
   Michael J. Paula, Mark Dredze, David A. Broniatowski, Nicholas Generous
   Human Language Technology Center of Excellence, Johns Hopkins University; Baltimore, MD 21218
   Department of Engineering Management and Systems Engineering, George Washington University; Washington, DC 20052
   Defense Systems and Analysis Division, Los Alamos National Laboratory; Los Alamos, NM 87545

38. **What people study when they study Twitter? Classifying Twitter related academic papers.**
   Shirley Ann Williams, Melissa Terras, Claire Warwick. (2013)
   Durham University

39. **Plos one - Using Friends as Sensors to Detect Global-Scale Contagious Outbreaks**
   Garcia-Herranz, Manuel, Esteban Moro, Manuel Cebrian, Nicholas A. Christakis, and James H. Fowler
   Department of Computer Science, Escuela Politécnica Superior, Universidad Auto´noma de Madrid, Madrid, Spain,
   Department of Mathematics & GISC, Universidad Carlos III de Madrid, Legan´es, Spain,
   Instituto de Ingeniería del Conocimiento, Universidad Autónoma de Madrid, Madrid, Spain,
   Computer Science & Engineering Department, University of California San Diego, San Diego, California, United States of America,
   Media Laboratory, Massachusetts Institute of Technology, Cambridge, Massachusetts, United States of America,
   National Information and Communications Technology Australia, Melbourne, Victoria, Australia,
   Department of Sociology, Yale University, New Haven, Connecticut, United States of America,
   Department of Ecology and Evolutionary Biology, Yale University, New Haven, Connecticut, United States of America,
   Department of Medicine, Yale School of Medicine, New Haven, Connecticut, United States of America,
40. A Case Study of CPNS Intelligence: Provenance Reasoning over Tracing Cross Contamination in Food Supply Chain
2012 32nd International Conference on Distributed Computing Systems Workshops
Shunqing Yan, Yongxin Zhu, Qiannan Zhang, Qin Wang, Ming Ni and Guangwei Xie
School of Microelectronics, Shanghai Jiao Tong University, No. 32 Institute of China Electronic Technology Group

41. Vigilancia Entomologica da Dengue, Zika e Chikungunya: Uma Solucao Baseada em Redes Sociais e Dispositivos Moveis
Soeli T. Fiorini, Leonardo Sousa, Diego Cedrim, Alessandro Garcia1, Débora Christina Muchaluat Saade, Igor Monteiro Moraes, Leonardo Frajhof
Laboratório de Engenharia de Software da PUC-Rio
Pontificia Universidade Católica do Rio de Janeiro
Laboratório MídiaCom, Universidade Federal Fluminense – UFF
Nucleo de Telemedicina UNIRIO
Rio de Janeiro, Brasil
at WIM - 16th Workshop de Informatica Medica

42. A Cloud Enabled Social Media Monitoring Platform for Events Detection and Prediction
8th International Conference for Internet Technology and Secured Transactions (ICITST-2013)
Elhadj Benkhelifa MIEEE and Thomas Welsh
Faculty of Computing, Engineering and Sciences
Staffordshire University, ST18 0AD, UK

43. Taxonomy of Citizen Sensing for Intelligent Urban Infrastructures
Diego S. Gallo, Member, IEEE, Carlos Cardonha, Priscilla Avegliano, and Tereza Cristina Carvalho
Systems of Engagement and Insight Group, IBM Research, Brazil, São Paulo 04007-900, Brazil,
Department of Computer and Digital Systems Engineering, University of São Paulo, São Paulo 05508-070, Brazil
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Information Technology and Supply Chain Management, University of Wisconsin - Whitewater
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   LI Wenjun, LU Jian and WANG Qiao  
   School of Information Science and Engineering, Southeast University, Nanjing 210096, China

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   Yinying Wang, Georgia State University, Atlanta, USA

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   Liang Zhao, Jieping Ye, Feng Chen, Chang-Tien Lu and Naren Ramakrishnan  
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   FU Xiaokang, XIANG Hengmao, GAO Xijian, YANG Jun, WANG Yandong  
   State Key Laboratory of Information Engineering in Surveying Mapping and Remote Sensing, Wuhan University, Wuhan, China 430079  
   Shandong Provincial Institute of Land Survey and Mapping, Jinan 250102, China  
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   School of Computer Science, Carnegie Mellon University, {binxuanh,kathleen.carley}@cs.cmu.edu  
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   Jiaqi Ye, Xiao Sun, Fuji Ren and Fang Tian  
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The University of Tokyo Graduate School of Interdisciplinary Information Studies
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Alexandre Viejo, David Sánchez, Jordi Castellà-Roca
Departament d’Enginyeria Informàtica i Matemàtiques,
UNESCO Chair in Data Privacy, Universitat Rovira i Virgili,
Av. Països Catalans 26, E-43007 Tarragona, Spain

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Benjamin M Althouse, Samuel V Scarpino, Lauren Ancel Meyers, John W Ayers, Marisa Bargsten,
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Roberto C.S.N.P. Souza, Denise E.F. de Brito(B), Rodrigo L. Cardoso, Derick M. de Oliveira, Wagner Meira Jr., and
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   WeiaiWayne Xu, I-Hsuan Chiu, Yixin Chen and Tanuka Mukherjee
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   Karolien Lenaerts, Miroslav Beblavý and Brian Fabo
   Centre for European Policy Studies
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   Stefan Daumea, Matthias Albert, Klaus von Gadowa,
   Faculty of Forest Sciences and Forest Ecology, Georg-August-University Göttingen, Büsgenweg, Germany
   Stockholm Resilience Centre, Stockholm University, Kräftriket, Stockholm, Sweden
   Northwest German Forest Research Institute, Grätzelstraße, Göttingen, Germany
   Dept. of Forest and Wood Science, University of Stellenbosch, South Africa

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   Ji Yoon Kim, Yuno Do, Ran-Young Im, Gu-Yeon Kim, Gea-Jae Joo
   Department of Integrated Biological Science, Pusan National University, Busan 609-735, South Korea
   Department of Forest Protection and Ecology, Warsaw University of Life Sciences, Nowoursynowska, Poland

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   Fatemeh Jahedpari, Julian Padget, Marina De Vos, Benjamin Hirsch
   Department of Computer Science, University of Bath, UK
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   Kevin Zuern
   School of Computing, Queen’s University, Kingston, Canada

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   Centre for Pattern Recognition and Data Analytics, Deakin University, Australia
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Henrik Bockstette, University of Twente, P.O. Box 217, 7500AE Enschede, The Netherlands

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Taha A. Kass-Hout and Hend Alhinnawi, Humanitarian Tracker, Washington, DC, USA

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Christos Charitonidis, Awais Rashid and Paul J. Taylor, Security Lancaster Research Centre, Infolab, Lancaster University, Lancaster, United Kingdom

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Faculty of Business, Education, Law and Arts, University of South Queensland, Australia  
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Vidit Jain and Sainyam Galhotra  
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   Zhang Zhen-Hua, WU Kai-Chao
   University of Chinese Academy of Sciences, Beijing 100190, China
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   Andrea H. Tapia, Nicolas LaLone, Elizabeth MacDonald, Reid Priedhorsky and Michelle Hall
   Penn State University
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   Janaína Gomide, Adriano Veloso, Wagner Meira Jr., Virgílio Almeida, Fabrício Benevenuto, Fernanda Ferraz and Mauro Teixeira
   Computer Science, UFMG – Brazil
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   M. Saqib Nawaz, Raza Ul Mustafa and Muhammad Ikram Lali
   Peking University
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   Caitlin Rivers, Bryan Lewis and Sean Young
   Network Dynamics and Simulation Science Laboratory, Virginia Bioinformatics Institute, Blacksburg, VA
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   David J. Marchette and Elizabeth Hohman
   Naval Surface Warfare Center, 18444 Frontage Rd, Suite 327, Dahlgren, VA 22448.

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   Liang Zhao, Qian Sun, Jieping Ye, Feng Chen, Chang-Tien Lu, and Naren Ramakrishnan
   Department of George Mason University
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   Arif Nurwidyantoro and Edi Winarko
   Department of Computer Science and Electronics
   Universitas Gadjah Mada
   Yogyakarta, Indonesia

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   Pavel Smrz and Lubomir Otrusina
   Brno University of Technology, Faculty of Information Technology
   Bozetechova 2, 612 66 Brno, Czech Republic

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   Liangzhe Chen, K. S. M. Tozammel Hossain, Patrick Butler, Naren Ramakrishnan, B. Aditya Prakash
   Department of Computer Science, Virginia Tech, VA, USA

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   David Alfred Ostrowski, System Analytics, Research and Innovation Center, Ford Motor Company

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   Emily B. Fox and David B. Dunson
   Department of Statistics, University of Washington, Seattle, WA 98195-4322, USA
   Department of Statistical Science, Duke University, Durham, NC 27708-0251, USA

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   Deen Freelon Ph.D., University of Washington
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   Dept. Computer Science, University of Rochester, Rochester, New York
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M.Phil Research Scholar, Associate Professor, Hindustan College of Arts and science, Coimbatore.
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Hidekazu Yanagimotoa, Suguru Isajib
Osaka Prefecture University, 1-1, Gakuen-cho, Naka-ku, Sakai, Osaka, 599-8531, Japan
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   Nicholas John Proferes, University of Wisconsin-Milwaukee

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   Medical Education Centre, North Devon District Hospital, Raleigh Park, Barnstaple, Devon, UK;
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   Tambo E, Kazienga A, Talla M, Chengho CF and Fotsing C
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   Management School, University of Chinese Academy of Sciences, Beijing, China
   Children’s Hospital Informatics Program, Division of Emergency Medicine, Boston Children’s Hospital, Boston, Massachusetts, United States of America
   Department of Pediatrics, Harvard Medical School, Boston, Massachusetts, USA
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   Department of Epidemiology, Biostatistics & Occupational Health, McGill University, Montreal, Canada

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   Data Sciences and Analytics Group, Pacific Northwest National Laboratory, Richland, Washington, USA
   International Society for Disease Surveillance, Boston, Massachusetts, USA,
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   Skoll Global Threats Fund, San Francisco, California, USA,
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National Institute of Infectious Diseases, Shinjuku-Ku, Tokyo, Japan,
Center of Innovation for Complex Chronic Healthcare, United States Department of Veterans Affairs, Hines,
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Brian J. Goode, Siddharth Krishnan, Michael Roan, Naren Ramakrishnan
Discovery Analytics Center, Virginia Tech, Arlington, VA, USA,
Dept. of Mechanical Engineering, Virginia Tech, Blacksburg, VA, USA,
Dept. of Computer Science, Virginia Tech, Blacksburg, VA, USA

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Emre Kiciman and Matthew Richardson, Microsoft Research

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Andrei P. Kirilenko, Tatiana Molodtsova, Svetlana O. Stepchenkova
Department of Earth Systems Science and Policy, University of North Dakota, Stop 9011, Grand Forks, ND
58202-9011, United States
The Department of Tourism, Recreation and Sport Management, University of Florida, P.O. Box 118208,
Gainesville, FL 32611-8208, United States

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Kris Samala and Carl Kingsford
Department of Computer Science, University of Maryland College Park
Center for Bioinformatics and Computational Biology, University of Maryland College Park

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Nick LaLone, Andrea H. Tapia, Nathan Case, Michelle Hall, Elizabeth MacDonald, Matt Heavner
Penn State University
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Kathy Lee, Ankit Agrawal, Alok Choudhary
Department of Electrical Engineering and Computer Science, Northwestern University, Evanston, IL USA.

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<td><strong>A Case Study of the New York City 2012-2013 Influenza Season With Daily Geocoded Twitter Data From Temporal and Spatiotemporal Perspectives</strong></td>
<td>Ruchit Nagar, Qingyu Yuan, Clark C Freifeld, Mauricio Santillana, Aaron Nojima, Rumi Chunara, John S Brownstein</td>
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<td>Children’s Hospital Informatics Program, Boston Children’s Hospital, Boston, MA, United States</td>
<td>Yale University, New Haven, CT, United States</td>
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<td>Management School, University of Chinese Academy of Sciences, Beijing, China</td>
<td>Boston University, Biomedical Engineering Department, Boston, MA, United States</td>
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<td>Harvard University, School of Engineering and Applied Sciences, Cambridge, MA, United States</td>
<td>Massachusetts Institute of Technology, Cambridge, MA, United States</td>
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<td>Department of Pediatrics, Harvard Medical School, Boston, MA, United States</td>
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<td><strong>Mirroring the Real World in Social Media: Twitter, Geolocation, and Sentiment Analysis</strong></td>
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<td>Indiana University, Bloomington, Indiana, USA</td>
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<td><strong>Modeling the impact of twitter on influenza epidemics</strong></td>
<td>Kasia A. Pawelek, Anne Oeldorf-Hirsch and Libin Rong</td>
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<td>Department of Mathematics &amp; Computational Science, University of South Carolina Beaufort, SC, USA</td>
<td>Department of Communication, University of Connecticut, Storrs, CT, USA</td>
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<td>Department of Mathematics and Statistics, Oakland University, Rochester, MI, USA</td>
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<td><strong>Simple and Knowledge-intensive Generative Model for Named Entity Recognition</strong></td>
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<td>Microsoft Research</td>
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<td><strong>Uncovering the relationships between military community health and affects expressed in social media</strong></td>
<td>Svitlana Volkova, Lauren E Charles, Josh Harrison and Courtney D Corley</td>
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<td>Data Sciences and Analytics, Northwest National Laboratory, Richland, WA, USA</td>
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<td><strong>Using Social Media for Biosurveillance: Gap between Research and Action</strong></td>
<td>Tera Reynolds, Mark Cameron, Mike Conway, Amy Ising, Eric H.Y. Lau, Jennifer Olsen, Julie Pavlin, Bill Storm, Katie Suda and Courtney Corley</td>
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<td>International Society for Disease Surveillance, Boston, MA, USA</td>
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<td>University of California, San Diego, San Diego, CA, USA</td>
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<td>University of North Carolina-Chapel Hill, Chapel Hill, NC, USA</td>
<td>Skoll Global Threats Fund, San Francisco, CA, USA</td>
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Armed Forces Health Surveillance Center, Silver Spring, MD, USA  
Ohio Department of Health, Columbus, OH, USA  
University of Tennessee Health Science Center, Knoxville, TN, USA  
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Myung-Hwa Hwang, Shaowen Wang, Guofeng Cao, Anand Padmanabhan and Zhenhua Zhang  
Cyberinfrastructure and Geospatial Information Laboratory (CIGI)  
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National Center for Supercomputing Applications (NCSA)  
University of Illinois at Urbana-Champaign (UIUC), Urbana, IL 61801  
Department of Geosciences, Texas Tech University, Lubbock, TX 79409

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Yoshiaki Kitagawa, Mamoru Komachi, Eiji Aramaki, Naoaki Okazaki, and Hiroshi Ishikawa  
Tokyo Metropolitan University  
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Prasanna Giridhar, Tarek Abdelzaher, Jemin George, Lance Kaplan  
Department of Computer Science, University of Illinois at Urbana Champaign, Urbana, Illinois, USA

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Xiaozhong Liu, Tian Xia, Yingying Yu, Chun Guo and Yizhou Sun
School of Informatics and Computing, Indiana University Bloomington, Bloomington, IN, USA
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College of Transportation Management, Dalian Maritime University, Dalian, China
School of Informatics and Computing, Indiana University Bloomington, Bloomington, IN, USA
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CyberGIS Center for Advanced Digital and Spatial Studies, University of Illinois at Urbana-Champaign, IL
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Department of Geosciences, Texas Tech University, Lubbock, TX, USA
Computer Network Information Center, Chinese Academy of Sciences, Beijing, China

134. Artificial Prediction Markets as a tool for Syndromic Surveillance
Fatemeh Jahedpari, Julian Padget, Marina De Vos, Benjamin Hirsch
Department of Computer Science, University of Bath, UK
EBTIC, Khalifa University, United Arab Emirates
Sintelnet WG5 Workshop on Crowd Intelligence: Foundations, Methods and Practices, Barcelona

135. PEARL: Probing Entity Aggregation in Real Life
Xingwu Liu, Yunfei Bai, Chunlin Huang, Xiaoyan Wang, Dongbo Bu
Institute of Computing Technology, Chinese Academy of Sciences, Beijing, China

136. Mining Social Behavioral Biometrics in Twitter
Madeena Sultana, Padma Polash Paul and Marina Gavrilova
Department of Computer Science, University of Calgary, Calgary, AB, Canada

137. Predictions based on Twitter - A Critical View on the Research Process
Lisa Madlberger and Amal Almansour
Information & Software Engineering Group, Vienna University of Technology, Vienna, Austria
Department of Computer Science, Kings College London, London, United Kingdom

138. Trend Projection using Predictive Analytics
Seema L. Vandre, Manjula Ramannavar and Nandini S. Sidnal, Ph.D
KLS Gogte Institute of Technology, Udyambag, Belgaum Karnataka, India

139. Hybrid Model Based Influenza Detection with Sentiment Analysis from Social Networks
Xiao Sun, Jiaqi Ye and Fuji Ren
School of Computer and Information, Hefei University of Technology, Hefei, China
Hefei University of Technology and Tokushima University, Tokushima, Japan
140. **Real Time Early-stage Influenza Detection with Emotion Factors from Sina Microblog**
Xiao SUN, Jiaqi YE
School of Computer and Information, Hefei University of Technology, Hefei, Anhui, China
Anhui Province Key Laboratory of Affective Computing and Advanced Intelligent Machine
25th International Conference on Computational Linguistics Proceedings of the Conference at the Workshop on South and Southeast Asian NLP, Dublin, Ireland

141. **Real-time monitoring of flu epidemics through linguistic and statistical analysis of Twitter messages**
Karolos Talvis, Kostantinos Chorianopoulos and Katia Lida Kermanidis
Department of Informatics, Ionian University, Corfu, Greece

142. **Inferring urban air quality based on social media**
Yan-dong Wang, Xiao-kang Fu, Wei Jianga, Teng Wang, Ming-Hsiang Tsou, Xin-yue Ye
State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan University, Wuhan 430079, China
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Department of Geography, San Diego State University, San Diego, CA 92101, United States
Computational Social Science Lab, Department of Geography, Kent State University, Kent, OH, USA

143. **Research Review on Public Event Evolution in Microblogging**
Zhang Yu sha, Jiang Sheng yi, South China Business College, Guangdong University of Foreign Studies, Guangzhou 510545, China
School of Cisco Informatics, Guangdong University of Foreign Studies, Guangzhou 510420, China

144. **Knowledge Enabled Approach to Predict the Location of Twitter Users**
Revathy Krishnamurthy, Pavan Kapanipathi, Amit P. Sheth, and Krishnaprasad Thirunarayan
Kno.e.sis Center, Wright State University, USA

145. **Deploying nEmesis: Preventing Foodborne Illness by Data Mining Social Media**
Adam Sadilek, Henry Kautz, Lauren DiPrete, Brian Labus, Eric Portman, Jack Teitel, and Vincent Silenzio
Department of Computer Science, University of Rochester, Rochester, NY
Southern Nevada Health District, Las Vegas, NV
School of Medicine & Dentistry, University of Rochester, Rochester, NY

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Proceedings of the 2017 IEEE International Conference on Big Data (BigData’17), Boston, MA, USA
Kwan Hui Lim, Shanika Karunasekera, Aaron Harwood, and Lucia Falzon†
School of Computing and Information Systems, The University of Melbourne, Parkville, Victoria, Australia
Defence Science and Technology Group, Edinburgh, South Australia, Australia

147. **A framework for comparing early warning systems across domains: A step toward a data-integrated public health EWS**
Henry M. Kim, Marek Laskowski, Seyed Moghadas, Amirehsan Sajad, Maaz Asif:

148. An Analysis on the Spatial Characteristics of Satisfaction on the Residential Environment Using Tweets
Youngok Kang, Jaehee Park and Aetti Kang
Korea Research Institute for Human Settlement
Ewha Womans University
International Journal of Geospatial and Environmental Research, December 2014

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Denise Brito, Janaina Gomide, Walter Santos, Wagner Meira Jr., Adriano Veloso & Virgilio Almeida
Federal University of Minas Gerais, Brazil

150. Spatiotemporal Event Forecasting in Social Media
Liang Zhao, Feng Chen, Chang-Tien Lu, Naren Ramakrishnan
Virginia Tech
SUNY Albany

151. SimNest: Social Media Nested Epidemic Simulation via Online Semi-supervised Deep Learning
Liang Zhao, Jiangzhuo Chen and Feng Chen Wei Wang, Chang-Tien Lu, Naren Ramakrishnan
Virginia Tech
University of Albany, SUNY

152. Social Media: Opportunities for Quality Improvement and Lessons for Providers—A Networked Model for Patient-Centered Care Through Digital Engagement
Alexandra Bornkessel & Robert Furberg & R. Craig Lefebvre
Center for Communication Science, RTI International, MD, USA
Center for Communication Science, RTI International, NC, USA
Center for Communication Science, RTI International, FL, USA

153. Social Network Big-Data Analysis Based on the Urban Information Sensing
LI Wenjun, LU Jian and WANG Qiao
School of Information Science and Engineering, Southeast University, Nanjing 210096, China

154. The Complex Relationship of Realspace Events and Messages in Cyberspace: Case Study of Influenza and Pertussis Using Tweets
Anna C Nagel, Ming-Hsiang Tsou, Brian Spitzberg, Li An, J Mark Gawron, Dipak Gupta & Jiue-An Yang
MA, Su Han, MS, K Michael Peddecord, PhD, Suzanne Lindsay, PhD, and Mark H Sawyer, MD
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Department of Linguistics, San Diego State University, San Diego, CA, United States
Department of Political Science, San Diego State University, San Diego, CA, United States
Division of Pediatrics Infectious Diseases, University of California San Diego School of Medicine, CA, USA
155. **Twitter Improves Influenza Forecasting**  
Michael J. Paul, Mark Dredze and David Broniatowski  
Department of Computer Science, Johns Hopkins University, Baltimore, Maryland, USA,  
Human Language Technology Center of Excellence, Johns Hopkins University, Baltimore, Maryland, USA  

156. **Location-Based Data Visualisation Tool for Tuberculosis and Dengue: A Case Study in Malaysia.**  
Goh, Kim Nee, Yoke Yie Chen, and Cheah Hui Chow  
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Evangelos Kalampokis, Efthimios Tambouris and Konstantinos Tarabanis  
Information Systems Laboratory, University of Macedonia, Thessaloniki, Greece  
Information Technologies Institute, Centre for Research & Technology - Hellas, Thessaloniki, Greece  
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Centre for Research & Technology - Hellas, Thessaloniki, Greece  
Department of Business Administration, University of Macedonia, Thessaloniki, Greece  
Information Technologies Institute Centre for Research & Technology - Hellas, Thessaloniki

158. **Using Twitter for Demographic and Social Science Research:Tools for Data Collection**  
Tyler H. McCormick, Hedwig Lee, Nina Cesare, Ali Shojaie  
Center for Statistics and the Social Sciences University of Washington

159. **What the Future Holds for Social Media Data Analysis**  
P. Wlodarczak, J. Soar, M. Ally  
World Academy of Science, Engineering and Technology  

160. **A prediction model for influenza epidemics using artificial neural networks**  
Sakorn Mekruksavanich  
Department of Computer Engineering, School of Information and Communication Technology  
University of Phayao, Thailand  

161. **Multisource agent-based healthcare data gathering**  
Vincenza Carchiolo, Alessandro Longheu, Michele Malgeri and Giuseppe Mangioni  
Dip. Ingegneria Elettrica, Elettronica e Informatica - Università degli Studi di Catania - Italy  
Proceedings of the Federated Conference on Computer Science and Information Systems
162. **Using Social Media to Detect Outdoor Air Pollution and Monitor Air Quality Index (AQI): A Geo-Targeted Spatiotemporal Analysis Framework with Sina Weibo (Chinese Twitter)**
   Wei Jiang, Yandong Wang, Ming-Hsiang Tsou, Xiaokang Fu
   State Key Laboratory of Information Engineer in Surveying, Mapping and Remote Sensing, Wuhan University, Wuhan, Hubei, China
   Department of Geography, San Diego State University, San Diego, California, USA

163. **Effects of Sampling on Twitter Trend Detection**
   Andrew Yates, Alek Kolcz, Nazli Goharian, Ophir Frieder
   Information Retrieval Lab, Department of Computer Science, Georgetown University, USA
   Twitter, Inc.

164. **An overview on the use of data mining and linguistics techniques for building microblog-based early detection systems in the healthcare sector**
   Haider M. Habeeb and Nabeel Al-A’araji
   Department of Information Networks, College of IT, University of Babylon, Iraq
   Ministry of Higher Education and Scientific Research, Iraq
   International Journal of Computer Science & Information Technology (IJCSIT) Vol 7, No 5, October 2015

165. **Collection and analysis of social media datasets**
   Brian Dopson, Cardavian Lowery, Deepti Joshi
   The Citadel, Charleston, SC

166. **Joint Localization of Events and Sources in Social Networks**
   Prasanna Giridhar
   Dept. of Comput. Sci., Univ. of Illinois at Urbana Champaign, Urbana, IL, USA
   2015 International Conference on Distributed Computing in Sensor Systems

167. **Using Twitter Data and Sentiment Analysis to Study Diseases Dynamics**
   Vincenza Carchiolo, Alessandro Longheu and Michele Malgeri
   Dip. Ingegneria Elettrica, Elettronica e Informatica, Universit`a Degli Studi di Catania, Catania, Italy

168. **Measuring Social Jetlag in Twitter Data**
   Tatjana Scheffler and Christopher C.M. Kyba
   Department of Linguistics, University of Potsdam, Germany
   Deutsches GeoForschungsZentrum GFZ, Potsdam, Germany
   Proceedings of the Tenth International AAAI Conference on Web and Social Media (ICWSM 2016)

169. **The News Cycle’s Influence on Social Media Activity**
   Andrew Yates, Jonah Joselow and Nazli Goharian
   Information Retrieval Lab, Department of Computer Science, Georgetown University
   Proceedings of the Tenth International AAAI Conference on Web and Social Media (ICWSM 2016)

170. **Mining Social Media Streams to Improve Public Health Allergy Surveillance**
   Kathy Lee, Ankit Agrawal, Alok Choudhary
   EECS Department, Northwestern University, Evanston, IL USA
171. Living in analogy with how the twitter uses timeline data - Location Inference of Twitter Users using Timeline Data
   Ae Tii Kang, Young Ok Kang
   Department of Social Studies, Ewha Womans University

172. Harnessing Social Media for Environmental Sustainability: A Measurement Study on Harmful Algal Blooms
   Vinay Boddula, Awani Joshi, Lakshmish Ramaswamy and Deepak Mishra
   Department of Computer Science, University of Georgia, Athens, Georgia 30602
   Department of Geography, University of Georgia, Athens, Georgia 30602

173. The technical hashtag in Twitter data: A hadoop experience
   Izabela Moise
   ETH Zurich
   Department of Humanities, Social and Political Science
   at 2016 IEEE International Conference on Big Data (Big Data)

174. Measuring Health Information Dissemination and Identifying Target Interest Communities on Twitter: Methods Development and Case Study of the @SafetyMD Network
   Venk Kandadai, Haodong Yang, Ling Jiang, Christopher C Yang, Linda Fleisher, Flaura Koplin Winston
   Center for Injury Research and Prevention, Children's Hospital of Philadelphia, Philadelphia, PA, USA
   College of Computing and Informatics, Drexel University, Philadelphia, PA, USA
   Perelman School of Medicine, Department of Pediatrics, University of Pennsylvania, Philadelphia, PA, USA

175. Mining Twitter Data For Influenza Detection and Surveillance
   Kenny Byrd, Alisher Mansurov and Olga Baysal
   School of Computer Science, Carleton University, Ottawa, Canada
   Sprott School of Business, Carleton University, Ottawa, Canada
   2016 International Workshop on Software Engineering in Healthcare Systems

176. Hybrid classification for tweets related to infection with influenza
   Xiangfeng Dai and Marwan Bikdash
   Department of Computational Science & Engineering, North Carolina A&T State University, Greensboro, USA

177. Identifying Opinion Leaders and Mining Topics of the #EdPolicy Discourse on Twitter
   David Fikis, Yinying Wang, Georgia State University
   Paper presented at the annual convention of the University Council for Educational Administration (UCEA) 2015, San Diego, CA.

178. Social media -based emergency response information mining and analysis
   Li Hao Wang Yandong, Zhu Jianqi Wang Teng
   Geomatics and Information Science of Wuhan University

179. Identification and Validation of Real-Time Health Events through Social Media
   Juan Zaldumbide and Richard O. Sinnott
Dept. of Comput. & Inf. Syst., Univ. of Melbourne, Melbourne, VIC, Australia

180. Predicting Mass Incidents from Weibo
Wenwen Li, Yang Zhou, Tingting Lu, Tingshao Zhu
Institute of Psychology, Chinese Academy of Sciences, University of Chinese Academy of Sciences
University of Jinan
Human Centered Computing of the series Lecture Notes in Computer Science

181. Using online social networks to track a pandemic: A systematic review
Mohammed Ali Al-Qaradaghi, Muhammad Sadiq Khana, Kasturi Dewi Varathana, Ghulam Mujtabaa, Abdelkodose M. Al-Kabsib
Department of Information System, Faculty of Computer Science & Information Technology, University of Malaya, Kuala Lumpur, Malaysia
Medical Microbiology Cyberjaya University College of Medical Sciences (CUCMS), Cyberjaya, Selangor, Malaysia
Journal of Biomedical Informatics

182. Directional Prediction of Stock Prices Using Breaking News on Twitter
Hana Alostad and Hasan Davulcu
School of Computing, Information & Decision System. Eng., Arizona State Univ. Tempe, Tempe, AZ, USA

183. What Makes or Breaks a Health Fundraising Campaign on Twitter?
Nugroho Dwi Prasetyo, Claudia Hauff, Dong Nguyen, Djoerd Hiemstra & Tijs van den Broek
Web Information Systems, Delft University of Technology, Delft, the Netherlands
University of Twente, Enschede, the Netherlands

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Ju-Yeon Lee, Jung-Hwa Lee and Yoo-Hyun Park
Department of Computer Software Engineering, Dongeui University, Busan 47227, Korea
at Journal of the Korea Institute of Information and Communication Engineering, May 2016

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Dhiraj Murthy and Macgill Eldredge
Goldsmiths College, University of London, UK
TripAdvisor, USA

186. A Rapid Screening Test for the Diagnosis of Influenza Infection Incubation Period Using Coincidence Analysis of Pulse Waves
Po-Ying Chen, Keng-Chang Tu, Shyr-Shen Yu and Wen-Kuan Yeh
Department of Electronic Engineering, National Chin-Yi University of Technology, Taichung, Taiwan
Department of Computer Science and Engineering, National Chung Hsing University, Taichung, Taiwan
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Kui Liu, Li Li, Tao Jiang, Bin Chen, Zhenggang Jiang, Zhengting Wang, Yongdi Chen, Jianmin Jiang and Hua Gu
Zhejiang Provincial Center for Disease Control and Prevention, Hangzhou 310051, Zhejiang, China

188. Multi-resolution Spatial Event Forecasting in Social Media
  Liang Zhao, Feng Chen, Chang-Tien Lu and Naren Ramakrishnan*
at 2016 IEEE 16th International Conference on Data Mining (ICDM)

189. Discovering Credible Twitter Users in Stock Market Domain
  Mehran Kamkarhaghighi, Iuliia Chepurna, Somayyeh Aghababaei, and Masoud Makrehchi
  Department of Electrical, Computer, and Software Engineering, University of Ontario Institute of Technology
  International Conference on Web Intelligence

190. Twitter Sentiment Analysis Applied to Land Use in Los Angeles County
  Dr. Arthur Huang, David Ebert & Parker Rider
  Tarleton State University

191. Online Spatial Event Forecasting in Microblogs
  Liang Zhao, Feng Chen, Chang-Tien Lu and Naren Ramakrishnan
  George Mason University
  University of Albany, SUNY
  Virginia Tech

192. Statistical methods for complex event processing and real time decision making
  Patrick H. Tendick, Lorraine Denby and Wen-Hua Ju
  WIREs Computational Statistics

193. Cloud risk communication on social media: The case of Premera Blue Cross
  Jean Pierre Guy Gashami, Christian Fernando Libaque-Saenz, Myeong-Cheol Park and Jae Jeung Rho
  Korea Advanced Institute of Science and Technology, Republic of Korea
  Universidad del Pacifico

194. Towards Understanding How News Coverage Affect Public Perception During Epidemic Outbreaks
  Zhishen Pan, Li-Kai Chi, Timothy Dye, and Jiebo Luo
  University of Rochester, Rochester, NY, United States
  University of Rochester Medical Center*, Rochester, NY, United States

195. Use of Social Media for the Detection and Analysis of Infectious Diseases in China
  Xinyue Ye, Shengwen Li, Xining Yang and Chenglin Qin
  Department of Geography, Kent State University, Kent, OH 44240, USA
  School of Information Engineering, China University of Geosciences, Wuhan 430074, China
  Department of Geography and Geology, Eastern Michigan University, Ypsilanti, MI 48197, USA
  School of Economics, Jinan University, Guangzhou 510632, China

196. Probabilistic Analysis of Contracting Ebola Virus Using Contextual Intelligence
  Arjun Gopalakrishnan and Krishna Kavi
197. Real Time Prediction of Twitter users location on Google map using Python
M. Vadivukarassi, P. Aruna and N. Puviarasan
Department of Computer Science and Engineering, Annamalai University, Chidambaram, Tamil Nadu, India

198. Big data analytics in healthcare system for diverse perspectives
P. Shanmuga Sundari, Dr. M. Subaji
Research Scholar, School of Computing science and Engineering, VIT University, Vellore, Tamil Nadu
Professor, Center for Industry and International Studies, VIT University, Vellore, Tamil Nadu
International Journal of Pharmacy & Technology

199. A data-driven model for influenza transmission incorporating media effects
Lewis Mitchell and Joshua V. Ross
School of Mathematical Sciences, University of Adelaide, Australia

200. Participatory Sensing Data Tweets for Micro-Urban Real-Time Resiliency Monitoring and Risk Management
Daisuke Murakami, Gareth W. Peters, Yoshiki Yamagata and Tomoko Matsui
Center for Global Environmental Research, National Institute for Environmental Studies, Tsukuba, Japan
Department of Statistical Science, University College London, London, U.K.
Department of Statistical Modeling, The Institute of Statistical Mathematics, Tachikawa, Japan

201. Trends Detection of Flu Based on Ensemble Models With Emotional Factors From Social Networks
Xiao Sun, Fuji Ren, Jiaqi Ye
School of Computer and Information, Hefei University of Technology, Hefei, China

202. Evidential estimation of event locations in microblogs using the Dempster–Shafer theory
Ozer Özdikis, Halit Oguztuzun, Pinar Karagoz
Department of Computer Engineering, Middle East Technical University, Ankara, Turkey

203. A survey on location estimation techniques for events detected in Twitter
Ozer Özdikis, Halit Oguztuzun, Pinar Karagoz
Department of Computer Engineering, Middle East Technical University, Ankara, Turkey

204. National Utilization and Forecasting of Ototopical Antibiotics: Medicaid Data Versus “Dr. Google”
Crowson, Matthew G.; Schulz, Kristine; Tucci, Debara L.
Division of Head and Neck Surgery & Communication Sciences,
Department of Surgery, Duke University Medical Center, Durham, North Carolina.

205. Security attack prediction based on user sentiment analysis of Twitter data
Aldo Hernandez, Victor Sanchez, Gabriel Sanchez, Hector Perez, Jesus Olivares, Karina Toscano, Mariko Nakano and Victor Martinez
University of Warwick, Department of Computer Science, Coventry, UK
Instituto Politecnico Nacional, Graduate School ESIME Culhuacan, Mexico City, Mexico
206. Editorial: Survey and Experimental Analysis of Event Detection Techniques for Twitter
Andreas Weiler, Michael Grossniklaus and Marc H. Scholl
Department of Computer and Information Science, University of Konstanz, Germany

207. Is it Good or Bad? Disclosure of Medical Ailments on Twitter
B. S. Vidyalakshmi, Raymond Wong
School of Computer Science and Engineering, University of New South Wales

208. Computational challenges for sentiment analysis in life sciences
F. Ciullo, C. Zucco, B. Calabrese, G. Agapito, P. H. Guzzi and M. Cannataro
Department of Medical and Surgical Sciences, University "Magna Graecia", Catanzaro, Italy

209. Immediate and long-term effects of 2016 Zika Outbreak: A Twitter-based study
Aparup Khatua and Apalak Khatua
Department of Computer Science & Engineering, University of Calcutta, Kolkata, India
Strategic Management Area, XLRI - Xavier School Of Management, Jamshedpur, India

210. Predicting TV programme audience by using twitter based metrics
Alfonso Crisci, Valentina Grasso, Paolo Nesip, Gianni Pantaleo, Irene Paoli and Imad Zaza
CNR IBIMET National Research Council, Florence, Italy
LAMMA Consortium, Tuscany Region-CNR, Sesto Fiorentino, Italy
DISIT Lab, Distributed [Systems and internet | Data Intelligence and] Technologies Lab, Department of Information Engineering (DINFO), University of Florence, Florence, Italy
at Multimed Tools Appl 2017

211. PairFac: Event Analytics through Discriminant Tensor Factorization
Xidao Wen, Yu-Ru Lin and Konstantinos Pelechrinis
University of Pittsburgh, Pittsburgh, PA, USA

212. Mining and Classification of Messages in Social Media Using Natural Language Processing and Artificial Neural Networks
Gabriel Machado, Eugênio Silva, Bruno Costa, Jose Andrade and Rafael Monteiro
Computer Science - University Center Serra dos Orgaos (UNIFESO) - Teresopolis, RJ, Brazil
Federal Institute of Rio de Janeiro (IFRJ) - Rio de Janeiro, RJ, Brazil

Nugroho Dwi Prasetyo, Claudia Hauff, Dong Nguyen, Tij van den Broek & Djoerd Hiemstra
Web Information Systems, Delft University of Technology, Delft, the Netherlands
University of Twente, Enschede, the Netherlands
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214. Vulnerability Disclosure in the Age of Social Media: Exploiting Twitter for Predicting Real-World Exploits
Carl Sabottke, Octavian Suciu, and Tudor Dumitras, University of Maryland

215. Finding Healthcare Issues with Search Engine Queries and Social Network Data
Muhammad Ikram Lali, Tehseen Zia, Kashif Saleem and Basit Shahzad
University of Sargodha
King Saud University

216. Regional Level Influenza Study with Geo-Tagged Twitter Data
Feng Wang, Haiyan Wang, Kuai Xu, Ross Raymond, Jaime Chon, Shaun Fuller and Anton Debruyn
School of Mathematical and Natural Sciences
New College of Interdisciplinary Arts and Sciences
Arizona State University Glendale USA
Journal of Medical Systems

217. A Using Named Entities to Discover Heterogeneous Events on Twitter
Amosse Edouard
University Cote d Azur, Inria, France

218. Building a Social Media rating model
Suman Silwal, Dale W. Callahan
The University of Alabama at Birmingham, USA

219. Security Information Sharing via Twitter: “Heartbleed” as a Case Study
Debora Jeske, Lynne Coventry, Pamela Briggs and Andrew Mcneill
University College Cork
Northumbria University

220. MIDAS 2016: The 1st Workshop on Mining Data for Financial ApplicationS
Ilaria Bordino, Guido Caldarelli, Fabio Fumarola, Francesco Gullo and Tiziano Squartini
Unicredit, R&D Department, Italy
IMT Institute for Advanced Studies Lucca, Italy

221. Predicting the cricket match outcome using crowd opinions on social networks: a comparative study of machine learning methods
M. Saqib Nawaz, Muhammad Ikram Lali and Tehseen Zia
Peking University
University of Gujrat
University of Sargodha

222. Activity-based Twitter sampling for content-based and user-centric prediction models
Somayyeh Aghababaei and Masoud Makrehchi
Department of Electrical, Computer and Software Engineering, University of Ontario Institute of Technology, Canada.

223. Extracting Topics with Focused Communities in Multidimensional Social Data
Theodore Georgiou, Amr El Abbadi and Xifeng Yan
224. Spatiotemporal topic association detection on tweets
   Zhi Liu, Yan Huang and Joshua R. Trampier
   University of North Texas
   Department of Defense

225. Forecasting seasonal influenza fusing digital indicators and a mechanistic disease model
   Qian Zhang, Nicola Perra, Daniela Perrotta, Michele Tizzoni, Daniela Paolotti and Alessandro Vespignani
   Northeastern University, USA
   University of Greenwich, UK
   ISI Foundation, Turin, Italy
   [has been awarded the Best Paper Honorable mention award at the 26th International World Wide Web Conference (WWW 2017) at Perth Australia.]

226. Social Media as it Interfaces with Psychosocial Development & Mental Illness in Transitional Age Youth
   Brian A. Primack, MD, PhD and Cesar G. Escobar-Viera, MD, PhD
   Center for Research on Media, Technology, and Health, University of Pittsburgh School of Medicine, Pittsburgh, PA 15213, USA

227. Feature Constrained Multi-Task Learning Models for Spatiotemporal Event Forecasting
   Liang Zhao, Qian Sun, Jieping Ye, Feng Chen, Chang-Tien Lu, and Naren Ramakrishnan
   Department of George Mason University
   Computer Science and Engineering at Arizona State University
   University at Albany, SUNY
   Department of Computer Science, Virginia Tech, Blacksburg, VA

228. Mining Actionable Insights from Social Networks at WSDM 2017
   Faezeh Ensan, Zeinab Noorian and Ebrahim Bagheri
   Ferdowsi University of Mashhad, Mashhad, Iran
   Ryerson University, Toronto, Canada

229. Data-Driven Techniques in Disaster Information Management
   Tao Li, Ning Xie, Chunqiu Zeng, Wubai Zhou, Li Zheng, Yexi Jiang, Yimin Yang, Hsin-Yu Ha, Wei Xue, Yue Huang, Shu-Ching Chen, Jainendra Navlakha and S. S. Iyengar
   School of Computing and Information Sciences, Florida International University, Miami, FL
   School of Computer Science, Nanjing University of Posts and Telecommunications, Jiangsu, P.R. China

230. Predicting Collective Action from Micro-Blog Data
   Christos Charitonidis, Awais Rashid, Paul J. Taylor
   Security Lancaster Research Centre, Lancaster University
   Department of Psychology, Centre for Research and Evidence on Security Threats (CREST), Lancaster University

231. Measuring Global Disease with Wikipedia: Success, Failure, and a Research Agenda
Reid Priedhorsky, Dave Osthus, Ashlynn R. Daughton, Kelly R. Moran, Nicholas Generous, Geoffrey Fairchild, Alina Deshpande and Sara Y. Del Valle
Los Alamos National Laboratory, Los Alamos, NM, USA

232. Extracting Topics with Focused Communities for Social Content Recommendation
Theodore Georgiou, Amr El Abbadi and Xifeng Yan
University of California, Santa Barbara, Santa Barbara, CA, USA

233. Understanding Social Media’s Take on Climate Change through Large-Scale Analysis of Targeted Opinions and Emotions
Neetu Pathak, Michael Henry, and Svitlana Volkova
Visual Analytics Group,
Data Sciences and Analytics Group,
Pacific Northwest National Laboratory, Richland, WA 99354

Getting Personal! - Twitter communication between School Districts, Superintendents, and the Public
Yinying Wang
Department of Education Policy Studies, College of Education and Human Development, Georgia State University, GA.

235. Predicting Social Unrest Events with Hidden Markov Models Using GDELT
Fengcai Qiao, Pei Li, Xin Zhang, Zhaoyun Ding, Jiajun Cheng, and Hui Wang
Discrete Dynamics in Nature and Society
College of Information Systems and Management, National University of Defense Technology, Changsha, Hunan 410073, China

236. From social media to public health surveillance: Word embedding based clustering method for twitter classification
Xiangfeng Dai, Marwan Bikdash and Bradley Meyer
Department of Computational Science and Engineering, North Carolina A&T State University, Greensboro, USA

237. Forecasting influenza in Hong Kong with Google search queries and statistical model fusion
Qinneng Xu, Yulia R. Gel, L. Leticia Ramirez Ramirez, Kusha Nezafati, Qingpeng Zhang, Kwok-Leung Tsui
City University of Hong Kong, Hong Kong SAR, China
University of Texas at Dallas
Centro de Investigacición en Matemáticas, Mexico City, Mexico

238. Social Media: A Systematic Review to Understand the Evidence and Application in Infodemiology
Stacey Guy, Alexandria Ratzki-Leewing, Raphael M. Bahati, Femida Gwadry-Sridhar
at eHealth 2011
Lawson Health Research Institute, Commissioners Rd E. 801, N6C 5J1 London, Canada

239. Predicting political mood tendencies based on Twitter data
240. "You sound ill, take the day off": Automatic Recognition of Speech Affected by Upper Respiratory Tract Infection
Nicholas Cummins, Maximilian Schmitt, Shahin Amiriparian, Jarek Krajewski and Bjorn Schuller
Univeristy of Passau, Passau, Germany
Machine Intelligence & Signal Processing Group, Technische Universität München, Germany
University of Wuppertal, Wuppertal, Germany

Jain Priyank, Gyanchandani Manasi and Khare Nilay
Journal of Information Assurance & Security
Assistant Professor of Computer Science, IIM Ahmedabad

242. After the Boom No One Tweets: Microblog-based Influenza Detection Incorporating Indirect Information
Shoko Wakamiya, Yukiko Kawai and Eiji Aramaki
Nara Institute of Science and Technology, Nara, Japan
Kyoto Sangyo University

243. Mining Social Media Content for Crime Prediction
Somayeh Aghababaei and Masoud Makrehchi
Department of Electrical, University of Ontario Institute of Technology, Oshawa, ON, Canada

244. Testing the stability of “wisdom of crowds” judgments of search results over time and their similarity with the search engine rankings
Maayan Zhitomirsky-Geffet, Judit Bar-Ilan and Mark Levene
Bar-Ilan University, Ramat-Gan, Israel
Birkbeck University, London UK

245. A survey on location estimation techniques for events detected in Twitter
Ozer Ozdikis, Halit Oguztuzun and Pinar Karagoz
Department of Computer Engineering Middle East Technical University Ankara Turkey

246. Education Policy Research in the Big Data Era: Methodological Frontiers, Misconceptions, and Challenges
Yining Wang
Education Policy Analysis Archives, Georgia State University

247. Forecasting Civil Strife: An Emerging Methodology
Dipak K. Gupta, Sathappan Muthiah, David Mares and Naren Ramakrishnan
Professor Emeritus, Department of Political Science, San Diego State University
Chair for Inter-American Affairs, Institute of the Americas, University of California, San Diego
Discovery Analytics Center, Department of Computer Science, Virginia Tech, Arlington, VA
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<td>Institute of Geography and Spatial Management, Jagiellonian University, Cracow, Poland;</td>
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<td>Juhyeon Kim, Center for Convergent Research of Emerging Virus Infection, Korea Research Institute of Chemical Technology, Korea</td>
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<td>Madhav Erraguntla, Josef Zapletal and Mark Lawley, Knowledge based Systems, 1408 University Drive East College Station, TX</td>
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<td>Industrial and Systems Engineering Department Texas A&amp;M University College Station, TX</td>
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<td>Simple Term Filtering for Location-Based Tweets Classification</td>
<td>Srivastava S.K., Gupta R., Singh S.K., Department of CSE, JIIT University, Noida, India, Department of Information Technology, ABES-EC, Ghaziabad, India</td>
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<td>Big Social Network Data and Sustainable Economic Development</td>
<td>Umit Can, and Bilal Alatas, Computer Engineering Department, Munzur University, 62000 Tunceli, Turkey</td>
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<td>Software Engineering Department, Firat University, 23119 Elazig, Turkey</td>
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<td>School of Business and Economics, Swansea University, Swansea, UK, Delft University of Technology, Delft, Netherlands</td>
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<td>Xinyue Ye, Shengwen Li, Xining Yang, Jay Lee and Ling Wu, Department of Geography, Kent State University, Kent, USA</td>
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<td>Department of Information Engineering, China University of Geosciences, Wuhan, China, Department of Geography and Geology, Eastern Michigan University, Ypsilanti, USA</td>
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<td>College of Environment and Planning, Henan University, Kaifeng, China, Department of Sociology, Kent State University, Kent, USA</td>
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<td>Effectiveness of Social Media Data in Healthcare Communication</td>
<td>Nawaz, M. Saqib; Bilal, M.; Lali, M. IkramUllah; Ul Mustafa, Raza; Aslam, Waqar; Jajja, Salman, Journal of Medical Imaging and Health Informatics,</td>
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257. Spatial Event Forecasting in Social Media With Geographically Hierarchical Regularization
Liang Zhao, Junxiang Wang, Feng Chen, Chang-Tien Lu and Naren Ramakrishnan
Faculty of the Department of Information Science and Technology, George Mason University, Fairfax, VA, USA
Department of Computer Science, University at Albany–SUNY, Albany, NY, USA
Department of Computer Science, Virginia Tech, Blacksburg, VA, USA

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1. Sintelnet Workshop on Crowd Intelligence: Foundations, Methods and Practices
   Editors: - Marta Poblet, Pablo Noriega and Enric Plaza
   Barcelona, Catalonia
   Artificial Prediction Markets as a tool for Syndromic Surveillance
   Fatemeh Jahedpari, Julian Padget, Marina De Vos, Benjamin Hirsch
   Department of Computer Science, University of Bath, UK
   EBTIC, Khalifa University, United Arab Emirates

2. Book - Wisdom of the crowd - by Samen Slimmer

3. Book - The Routledge Handbook of Language and Health Communication
   Editors: - Heidi Hamilton, Wen-ying Sylvia Chou
   Web 2.0 and the changing health
   Abby Prestin, WS Chou

4. Springer - Social Computing and Social Media of the series Lecture Notes in Computer Science
   Editor: - Gabriele Meiselwitz
   Use of Twitter Stream Data for Trend Detection of Various Social Media Sites in Real Time
   Sapumal Ahangama, MillenniumIT, Sri Lanka

5. Big Data Techniques and Technologies in Geoinformatics.
   Editor: - Hassan A. Karimi
   Geoinformatics and Social Media
   Arie Croitoru, Andrew Crooks, Jacek Radzikowski, Anthony Stefanidis, Ranga R. Vatsavai, and Nicole Wayant

   Editors: - Bambino Gesù Children Hospital, Roma, Italy.
   Predicting Flu Epidemics Using Twitter and Historical Data
   Giovanni Stilo, Paola Velardi, Alberto E. Tozzi, and Francesco Gesualdo
   Dipartimento di Informatica Sapienza Università di Roma, Italy

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   Epidemic State Estimation with Syndromic Surveillance and ILI Data Using Particle Filter
   Taesik Lee and Hayong Shin
8. **Book - Web Technologies and Applications**
   Editors: Weihong Han, Zi Huang, Changjun Hu, Hongli Zhang, and Li Guo (Eds.)
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   Changsha, China, September 5, 2014, Proceedings
   Detect and Analyze Flu Outlier Events via Social Network
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   School of Computer & Communication Engineering, University of Science & Technology Beijing, China
   Information Office, China-Japan Friendship Hospital, Beijing, China

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   Social Media Analytics for Healthcare
   Alexander Kotov
   Department of Computer Science
   Wayne State University, Detroit, MI

10. **Book - Spatial Statistics**
    Analyzing spatiotemporal trends in social media data via smoothing spline analysis of variance
    Nathaniel E. Helwig, Yizhao Gao, Shaowen Wang, and Ping Ma
    Department of Psychology, University of Minnesota, Minneapolis, MN, USA
    School of Statistics, University of Minnesota, Minneapolis, MN, USA
    Department of Geography & Geographic Information Science, University of Illinois, Champaign, IL, USA
    National Center for Supercomputing Applications, University of Illinois, Urbana, IL, USA
    Department of Statistics, University of Georgia, Athens, GA, USA

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    Mustafa Sofean and Matthew Smith
    Leibniz University Hannover, Distributed Computing & Security Group, Germany

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    Jaideep Ray and John S. Brownstein
    Sandia National Laboratories
    Albuquerque, New Mexico 87185 and Livermore, California 94550

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    Nivala, Tuomas
    Information Systems Science, Finland

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State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan University, China
School of Statistics and Mathematics, Zhongnan University of Economics and Law, Wuhan, China
Department of Geography, Kent State University, Kent, OH, USA
College of Environment and Planning, Henan University, Kaifeng, China

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Forecasting Canadian Elections Using Twitter
Kenton White
Advanced Symbolics, Ottawa, ON, Canada
School of Electrical Engineering and Computer Science, University of Ottawa, ON, Canada

19. Towards an innovative methodology and new data sources for the analysis of new occupations and skills
Miroslav Beblavý, Mehtap Akgüc, Brian Fabo & Karolien Lenaerts

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Author: Zhitomirsky-Geffet

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Edited by Mikhail Yu. Khachay, Natalia Konstantinova, Alexander Panchenko, Dmitry I. Ignatov, Valeri G. Labunets
Discerning Depression Propensity Among Participants of Suicide & Depression-Related Groups of Vk.com
Aleksandr Semenov, Alexey Natekin, Sergey Nikolenko, Philipp Upravitelev, Mikhail Trofimov, Maxim Kharchenko
International Laboratory for Applied Network Research, National Research University Higher School of Economics, Moscow, Russia
Data Mining Labs, St. Petersburg, Russia
Deloitte Analytics Institute, Moscow, Russia
Technical University Munich, Garching, Germany
Laboratory for Internet Studies, National Research Univ. Higher School of Economics, St. Petersburg, Russia
Steklov Mathematical Institute at St. Petersburg, St. Petersburg, Russia
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22. Book: Total Survey Error in Practices
Edited by Paul P. Biemer, Edith de Leeuw, Stephanie Eckman, Brad Edwards, Frauke Kreuter, Lars E. Lyberg, N. Clyde Tucker, Brady T. West
Total Twitter Error - Decomposing Public Opinion Measurement on Twitter from a Total Survey Error Perspective
Yuli Patrick Hsieh and Joe Murphy
Survey Research Division, RTI International, Chicago, IL, USA

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"The Sum of All Our Feelings!": Sentimental Analysis on Chinese Autism Sites
Tiffany Y. Tang, Relic Yongfu Wang and Carl Guangxing Chen

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1. Flu Trend Prediction Using Social Media Network Data
   Ali Al Essa, Dr. Mike Faezipour, Dr. Jeongkyu Lee, and Gopala Duggina
   Department of Computer Science and Engineering, University of Bridgeport, Bridgeport, CT

2. Social Media: A systematic review to understand the evidence and application in infodemiology
   Stacey Guy, Alexandria Ratzki-Leewing, Raphael Bahati, and Femida Gwadry-Sridhar
   Lawson Health Research Institute, Commissioners Rd E. 801, N6C 5J1 London, Canada

3. The Landscape of Big Data for Development Key Actors and Major Research Themes
   Bapu Vaitla from data2x organization

4. CourseWork - Introduction to computational social science (CSS01)
   Lauri Eloranta University of Helsinki, Finland

5. Computational Social Science and microposts - The good, the bad and the ugly
   Markus Strohmaier, GESIS – Leibniz Institute for the Social Sciences & U. of Koblenz

6. Presentation - What The Future Holds For Social Media Data Analysis
   Predictive analytics using Twitter data
   Peter Wlodarczak - Univ. of Southern Queensland

7. Vulnerability Disclosure in the Age of Social Media: Exploiting Twitter for Predicting Real-World Exploits
   Carl Sabottke, Octavian Suciu, and Tudor Dumitraș, University of Maryland

8. Presentation - Prediction of cold epidemic by social media
   Tanida Kazuaki, Aramaki Eiji, Sato Issei, Minoru Yoshida, Yutaka Nakagawa
9. Techniques for analysis of digital data
   Analysis of online social networks and text mining for social sciences
   Camilo Cristancho, Universitat Autònoma de Barcelona

10. You are what you tweet: analyzing twitter for public health
    Michael Paul and Mark Dredze
    Human Language Technology Center of Excellence, Center for Language and Speech Processing, Johns Hopkins
    University, USA

11. IoT Analytics for smart Health and Care IoTWeek 2015, Lisbon
    presenter - Professor Dr. Ch. Thuemmler, Technische Universität München, Edinburgh Napier University

    By James J. Andrus
    www.newspatterns.com
    Netro City Design & Information Systems, Inc.


    Gabrielle Cheung

15. Fuzzy-Set Based Sentiment Analysis of Big Social Data
    Raghava Rao Mukkamala, Postdoc, Software and Systems Section
    IT University of Copenhagen, Denmark

16. Social media use in the UK: An assessment of representative capability on Twitter
    Alistair Leak

17. Tracking Language Mobility in the Twitter Landscape- by Izabela Moise, E. Gaere, R. Merz, S. Koch, E.
    Pournaras

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1. Mobilizing Ideas – Advances in understanding Protest with Big data.
   By Zachary C. Steinert Threlkeld

2. Statistics and Information Technologies - major challenges and elementary Principles
   Posted on December 14, 2013 by camilocristancho

3. Forget the Crystal Ball: Social Media Can Help Predict the Future
   Kenton White March 26th, 2014 Market Research, Pop Culture
4. **Wiki data collection September 09, 2014 by Linda S Noss**
   Teacher of Computer Science at Etowah High School

5. **Big data: A pragmatic overview**
   Rohit Agarwal, Senior Software Engineer at GE Digital

6. Hyun Duk Cho, Computer Science, University of Illinois (UIUC) is utilizing Social media to answer complex problems in Medical Literature


**PATENT (IN PROGRESS):**

**Systems and methods for broadcasting appointment availabilities**

*INVENTORS-* Girish K Navani, Saurabh R Singh, Harshavardhan D Achrekar, SivaKumar K Easwaran

*PUBLICATION DATE* - 2014/3/5  *APPLICATION NUMBER* - 14/198,125  *PATENT OFFICE* – US

**STATUS:** Pending

Description :- Appointment scheduling platform that permits the automatic transmission of notifications pertaining to appointment availabilities to patients.