MEDIA / PRESS RECOGNITIONS (IN THE NEWS):

- **Italian Magazine Focus Extra (Pages 76,77,78 of Extra)** mentions our OSN based Flu Trends research - Download [Media Coverage]

- **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. Download [Thesis]

- 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
  - 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
    By Professor David Aldous – Department of Statistics, University of California, Berkeley
  - Course Work:- Hot Topic in Cloud Computing 3 SUNY Buffalo in Fall 2013 by Prof. Chunming Qiao
• “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.

**Panelist/Reviewer:**

- IEEE INFOCOMM
- WASA

**Citations (260+):**

(A) **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**
Rajeshkhar 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
Jedsada 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’analisi preventiva contro 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
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
   Ph.D. Thesis, Department of computer science, University of Chicago, Chicago, Illinois, December 2013

(B) 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. Visual discretization for decision continuous formal context
   Zhang Tao, Shi Haobin, Li Lin, Li Zhaohui
   School of Information Science and Engineering, Yanshan University, Qinhuangdao Hebei 066004, China

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. People as sensors: mass media and local temperature influence climate change discussion on Twitter
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.
The Department of Tourism, Recreation and Sport Management, University of Florida, P.O.Box 118208, Gainesville, FL 32611-8208.

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
GeoDa Center for Geospatial Analysis and Computation, School of Geographical Sciences and Urban Planning, Arizona State University, Tempe, AZ, 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 Bilai India,
Associate Professor CSE Dept RCET Bilai 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
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
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
University of Fortaleza (Unifor), Fortaleza, CE - Brazil
Federal University of Ceará (UFC), Fortaleza, 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, Georey 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 Priehorsky
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 Pietrasanta 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, Universitá degli Studi di Palermo, Viale delle Scienze Ed. 18, 90128 Palermo, Italy,
Santa Fe Institute, 1399 Hyde Park Road, Santa Fe, NM 87501, USA, and zzMediobanca S.p.A, Piazzetta E. Guccia 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
Floriana Gargiulo, Jacopo Bindi, Andrea Apolloni
Naxys, University of Namur, Namur, Belgium,
DISAT and Center for computational Sciences, Politecnico di Torino, Torino, Italy,
Department of Infectious Disease Epidemiology, London School of Hygiene and Tropical Medicine, London, United Kingdom

26. Overcoming Data Scarcity of Twitter: Using Tweets as Bootstrap with Application to Autism-Related Topic Content Analysis
Adham Beykikhoshk, Ognjen Arandjelovi´c, Dinh Phung and Svetla Venkatesh
Centre for Pattern Recognition and Data Analytics, School of Information Technology, Deakin University, Geelong, VIC 3216, Australia

27. Combining Search, Social Media, and Traditional Data Sources to Improve Influenza Surveillance.
Authors: M. Santillana, A. T. Nguyen, M. Dredze, M. J. Paul, and J. S. Brownstein
Harvard School of Engineering and Applied Sciences, Cambridge, MA
Boston Children's Hospital Informatics Program, Boston, MA
Harvard Medical School, Boston, MA
Department of Computer Science, Johns Hopkins University, Baltimore, MD
Department of Information Science, University of Colorado, Boulder, CO

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. **Analysing Twitter and web queries for flu trend prediction**
   - José Carlos Santos, Sérgio Matos
   - From 1st International Work-Conference on Bioinformatics and Biomedical Engineering-IWBBIO 2013, Granada, Spain.

31. **Automatic detection of tweets reporting cases of influenza like illnesses in Australia**
   - Guido Zuccon, Sankalp 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
   - University of Southern California, Los Angeles, CA 90089
   - University of the Pacific, Stockton, CA 95211

34. **Multi-Tweet Summarization for Flu Outbreak Detection**
   - 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 Dredzea, David A. Broniatowski, Nicholas Generousc
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 Polite´cnica Superior, Universidad Auto´noma de Madrid, Madrid, Spain,
Department of Mathematics & GISC, Universidad Carlos III de Madrid, Legane´ s, Spain,
Instituto de Ingenierí´a del Conocimiento, Universidad Auto´noma 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,
Medical Genetics Division, School of Medicine, University of California San Diego, San Diego, California, United States of America,
Political Science Department, University of California San Diego, San Diego, California, United States of America

40. A Case Study of CPNS Intelligence:Provenance Reasoning over Tracing Cross Contamination in Food Supply Chain
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. 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

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
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

44. Healthshark: Using Twitter for Situational Awareness in Public Health
Journal of Information Privacy and Security
Alana Platt, Levi Citrin & Cynthia Hood
Information Technology and Supply Chain Management, University of Wisconsin - Whitewater
Illinois Institute of Technology

45. System construction survey web browser and diversification Data collection systems support service
Master's thesis information technology
Ha noi national university
School university of technology

46. 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

47. U.S. State Education Agencies’ Use of Twitter: Mission Accomplished?
Yinying Wang, Georgia State University, Atlanta, USA

48. 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, MingNi and Guangwei Xie
School of Microelectronics, Shanghai Jiao Tong University, No. 32 Institute of China Electronic Technology Group

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

50. 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
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School of International Business Administration, Shanghai University of Finance and Economics, Guoding Road 777, Shanghai 200433, China

51. 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

52. Social Network Influenza Epidemic Detection Based on SVM and CRF
    Jiaqi Ye, Xiao Sun, Fuji Ren and Fang Tian
    School of Computer and Information, Hefei University of Technology, China
    Department of Information Science and Intelligent Systems, The University of Tokushima, Japan
    Modern Education Technology Center, Qinghai University, China
    International Journal of Advanced Intelligence

53. Modeling blog user for Chinese micro-blog sentiment classification with fuzzy SVM
    Xiao Sun ; Chengcheng Li ; Fuji Ren
    Anhui Province Key Lab. of Affective Computing & Advance Intelligence Machine, Hefei University of Technology, Hefei, China

54. A Study of Sentiment and Trend Analysis Techniques for Social Media Content
    I.J. Modern Education and Computer Science, 2014, 12, 47-54
    Asad Mehmood, Abdul S. Palli and M.N.A. Khan
    Shaheed Zulfikar Ali Bhutto Institute of Science and Technology, Islamabad, Pakistan

55. Prediction of cold epidemic by social media
    Tanida Kazuaki, Aramaki Eiji, Sato Issei, Minoru Yoshida, Yutaka Nakagawa
    The University of Tokyo Graduate School of Interdisciplinary Information Studies
    Structured Center of the University of Tokyo Knowledge Information Technology Center, The University of Tokyo

56. Preventing automatic user profiling in Web 2.0 applications
    Alexandre Viejo, David Sánchez, Jordi Castellà-Roca
    Departament d’Enginyeria Informàtica i Matemàtiques, UNESCO Chair in Data Privacy, Universitat Rovira i Virgili, Av. Paisos Catalans 26, E-43007 Tarragona, Spain

57. Enhancing disease surveillance with novel data streams: challenges and opportunities
    Benjamin M Althouse, Samuel V Scarpino, Lauren Ancel Meyers, John W Ayers, Marisa Bargsten, Joan Baumbach, John S Brownstein, Lauren Castro, Hannah Clapham, Derek AT Cummings, Sara Del Valle, Stephen Eubank, Geoffrey Fairchild, Lyn Finelli, Nicholas Generous, Dylan George, David R Harper, Laurent Hébert-Dufresne, Michael A Johansson, Kevin Konty, Marc Lipsitch, Gabriel Milinovich, Joseph DMiller, Elaine O Nsoesie, Donald R Olson, Michael Paul, Philip M Polgreen, Reid Priedhorsky, Jonathan M Read, Isabel Rodríguez-Barraquer,
Derek J Smith, Christian Stefansen, David L Swerdlow, Deborah Thompson, Alessandro Vespignani and Amy Wesolowski

58. An Evolutionary Methodology for Handling Data Scarcity and Noise in Monitoring Real Events from Social Media Data
Roberto C.S.N.P. Souza, Denise E.F. de Brito, Rodrigo L. Cardoso, Derick M. de Oliveira, Wagner Meira Jr., and Gisele L. Pappa
Computer Science Department, Universidade Federal de Minas Gerais (UFMG), Belo Horizonte, Brazil

Stephane Frenot and Stephane Grumbach
Université de Lyon
INRIA

60. Feeling of tweets analysis focused on news (Análise de sentimento de tweets com foco em notícias)
Paula Nascimento, Rodrigo Aguas, Débora de Lima, Xiao Kong, Bruno Osiek, Geraldo Xexêo, Jano de Souza
Systems Engineering and Computer Science Program Alberto Luiz Coimbra Institute of Graduate Studies and Research in Engineering
Federal University of Rio de Janeiro - Rio de Janeiro – Brazil

61. Analysing Twitter and web queries for flu trend prediction
José Carlos Santos, Sérgio Matos
From 1st International Work-Conference on Bioinformatics and Biomedical Engineering-IWBBIO 2013, Granada, Spain.

62. Twitter hashtags for health: applying network and content analyses to understand the health knowledge sharing in a Twitter-based community of practice
Weiai Wayne Xu, I-Hsuan Chiu, Yixin Chen and Tanuka Mukherjee
Department of Communication, State University of New York, Buffalo, NY, USA

63. Prospects for utilisation of non-vacancy Internet data in labour market analysis—an overview
Karolien Lenaerts, Miroslav Beblavý and Brian Fabo
Centre for European Policy Studies (CEPS, Brussels), CEPS, Place du Congrès, 1000 Brussels, Belgium

64. Forest monitoring and social media – Complementary data sources for ecosystem surveillance?
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, Grätzeldstraße, Göttingen, Germany
Dept. of Forest and Wood Science, University of Stellenbosch, South Africa

65. Use of large web-based data to identify public interest and trends related to endangered species
66. 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

67. Automatic detection of tweets reporting cases of influenza like illnesses in Australia
Guido Zuccon, Sankalp Khanna, Anthony Nguyen, Justin Boyle, Matthew Hamlet, Mark Cameron
Information Systems School, Queensland University of Technology, Brisbane, Australia

68. Data-Mining Twitter and the Autism Spectrum Disorder: A Pilot Study
Adham Beykikhoshk Ogjen Arandjelović Dinh Phungy Svetha Venkatesh Terry Caelli
Centre for Pattern Recognition and Data Analytics, Deakin University, Australia
National ICT Australia (NICTA), Melbourne, Australia

69. Big Data Usage Patterns in the Health Care Domain: A Use Case Driven Approach Applied to the Assessment of Vaccination Benefits and Risks Contribution of the IMIA Primary Healthcare Working Group
Clinical Informatics & Health Outcomes research group, Department of Health Care Policy and Management, University of Surrey, Guildford, Surrey, UK
School of Public Health & Community Medicine, UNSW Medicine Australia, NSW, Australia
Telfer School of Management, University of Ottawa, Ottawa, Ontario, Canada
Department of Computing, University of Surrey, Guildford, Surrey, UK

70. Social Media as a Source of Predictive Power to Forecast Market Needs
Henrik Bockstette, University of Twente, P.O. Box 217, 7500AE Enschede, The Netherlands

71. Social media in public health
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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Institute for Health Research and Policy, Health Media Collaboratory, University of Illinois at Chicago
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   Faculty of Business, Education, Law and Arts, University of South Queensland, Australia
   Information Systems, School of Management and Enterprise at the University of South Queensland, Australia

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   WCU Webometrics Institute, Department of Media and Communication, Yeungnam, University, Gyeongsan, Republic of Korea
   School of Advertising and Public Relations, Hongik University, Jochiwon, Chungnam, 339-701, Republic of Korea

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   Floriana Gargiulo, Jacopo Bindi, Andrea Apolloni
   Naxys, University of Namur, Namur, Belgium,
   DISAT and Center for computational Sciences, Politecnico di Torino, Torino, Italy,
   Department of Infectious Disease Epidemiology, London School of Hygiene and Tropical Medicine, London, United Kingdom

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   Vidit Jain and Sainyam Galhotra
   Yahoo Labs, Bangalore, India
   Dept. of Comp. Sci. and Engg., IIT Delhi, India

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   Zhang Zhen-Hua, WU Kai-Chao
   University of Chinese Academy of Sciences, Beijing 100190, China
   Computer Network Information Center, 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
   NASA, GSFC
   LANL
   Science Education Solutions

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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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Nicholas Generous, Georey Fairchild, Alina Deshpande, Sara Y. Del Valle, Reid Priedhorsky
Defense Systems and Analysis Division, Los Alamos National Laboratory, Los Alamos, New Mexico, USA

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Caitlin Rivers, Bryan Lewis and Sean Young
Network Dynamics and Simulation Science Laboratory, Virginia Bioinformatics Institute, Blacksburg, VA
UCLA David Geffen School of Medicine, Berkley, CA, USA

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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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Jiwei Li and Claire Cardie
School of Computer Science, Carnegie Mellon University, Pittsburgh, PA 15213
Department of Computer Science, Cornell University, Ithaca, NY 14850

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Caitlin M. Rivers, Bryan L. Lewis
Network Dynamics and Simulation Science Laboratory, Virginia Bioinformatics Institute, Virginia Tech., Blacksburg, VA, 24060, USA

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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

90. Social Network Analysis for Consumer Behavior Prediction
David Alfred Ostrowski, System Analytics, Research and Innovation Center, Ford Motor Company
91. Bayesian Nonparametric Covariance Regression
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 Freeelon Ph.D., University of Washington
Assistant Professor, School of Communication, American University in Washington, DC
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Nabil Hossain, Tianran Hu, Roghayeh Feizi, Ann Marie White, Jiebo Luo and Henry Kautz
Dept. Computer Science, University of Rochester, Rochester, New York
Dept. Psychiatry, University of Rochester, School of Medicine & Dentistry, Rochester, New York

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N. A. Case, E. A. MacDonald, M. Heavner, A. H. Tapia and N. LaLone
New Mexico Consortium, Los Alamos, New Mexico, USA
NASA Goddard Space Flight Center, Greenbelt, Maryland, USA
Los Alamos National Lab, Los Alamos, New Mexico, USA
Penn State University, Pennsylvania, USA

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Nicolas LaLone, Andrea Tapia, Elizabeth MacDonald, Nathan Case, Michelle Hall, Jessica Clayton, Matthew Heavner
Penn State University
NASA Goddard, New Mexico Consortium
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US White House OSTP, Los Alamos National Laboratory, New Mexico Consortium

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Luke Justin Heemsbergen, University of Melbourne, Australia
Simon Lindgren, Umeå University, Sweden
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Department of Computer Science Virginia Tech. Blacksburg, VA 24061, USA

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Sangeeta Grover, Gaganeeet Singh Aujla
Department of Computer Science and Engineering, Chandigarh Engineering College, Landran, Mohali, India
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Mohammad Ebrahim Poorazizi, Andrew J.S. Hunter and Stefan Steiniger
Department of Geomatics Engineering, University of Calgary, 2500 University Drive NW, Calgary, Canada
Departamento de Ingeniería Transporte y Logística, Pontificia Universidad Católica de Chile, Avda.

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Asad Mehmood, Abdul S. Palli and M.N.A. Khan
Shaheed Zulfikar Ali Bhutto Institute of Science and Technology, Islamabad, Pakistan
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Mangesh J. Shinde, S. S. Pawar
Student, Computer Department, D. Y. Patil COE, Akurdi, Pune-44, Maharashtra, India
Assistant professor, Computer Department, D. Y. Patil COE, Akurdi, Pune-44, Maharashtra, India

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D.Kavitha MCA and Dr.P. Senthil Vadivu,
M.Phil Research Scholar, Associate Professor, Hindustan College of Arts and science, Coimbatore.
Dept of Computer Science, Dept of Computer Applications, Hindustan College of Arts and science, Coimbatore.

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Hidekazu Yanagimotoa, Suguru Isajib
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NTT docomo, 4-1-22, Onogara-dori, Chuo-ku, Kobe, Hyogo, 651-0088, Japan
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Vikram Krishnamurthy, and William Hoiles
Department of Electrical and Computer Engineering, University of British Columbia, Vancouver, Canada

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Rick Walker, Llyr ap Cenydd, Serban Pop, Helen C Miles, Chris J Hughes, William J Teahan and Jonathan C Roberts

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Nicholas John Proferes, University of Wisconsin-Milwaukee

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Oliver J. Dyar, Enrique Castro-Sa´nchez and Alison H. Holmes
Medical Education Centre, North Devon District Hospital, Raleigh Park, Barnstaple, Devon, UK;
Centre for Infection Prevention and Management, Imperial College London, Faculty of Medicine, Commonwealth
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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

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Qingyu Yuan, Benfu Lv, Geng Peng, Elaine O. Nsoesie, Rumi Chunara, John S. Brownstein
Management School, University of Chinese Academy of Sciences, Beijing, China
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Department of Epidemiology, Biostatistics & Occupational Health, McGill University, Montreal, Canada

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Lauren E. Charles-Smith, Tera L. Reynolds, Mark A. Cameron, Mike Conway4, Eric H.Y. Lau, Jennifer M. Olsen, Julie A. Pavlin, Mika Shigematsu, Laura C. Streichert, Katie J. Suda, Courtney D. Corley
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Brian J. Goode, Siddharth Krishnan, Michael Roan, Naren Ramakrishnan
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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
114. **Modeling Disease Transmission on a Location-Based Social Network**
   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

115. **Hybrid community participation in crowdsourced early warning systems**
    Nick LaLone, Andrea H. Tapia, Nathan Case, Michelle Hall, Elizabeth MacDonald, Matt Heavner
    Penn State University
    Science Education Solutions
    NASA
    Los Alamos National Laboratory

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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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    Revathy Krishnamurthy, Pavan Kapanipathi, Amit Sheth, Krishnaprasad Thirunarayan
    Knö.e.sis Center, Wright State University, Dayton, Ohio

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    Authors: Ricardo Lage, Martin Leginus, Peter Dolog, Frederico Durão, Rong Pan and Ernesto Diaz-Aviles

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    S Vupputuri, C Hajat, M Al-Houqani, O Osman, J Sreedharan, R Ali, A E Crookes, S Zhou, S E Sherman, M Weitzman,
    The United Arab Emirates Tobacco Control Research Collaborative

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    Ruchit Nagar, Qingyu Yuan, Clark C Freifeld, Mauricio Santillana, Aaron Nojima, Rumi Chunara, John S Brownstein
    Children's Hospital Informatics Program, Boston Children's Hospital, Boston, MA, United States
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    Harvard University, School of Public Health, Boston, MA, United States
    Massachusetts Institute of Technology, Cambridge, MA, United States
    Department of Pediatrics, Harvard Medical School, Boston, MA, United States

121. **Mirroring the Real World in Social Media: Twitter, Geolocation, and Sentiment Analysis**
Eric Baucom, Azade Sanjari, Xiaozhong Liu and Miao Chen
Indiana University, Bloomington, Indiana, USA
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    Kasia A. Pawelek, Anne Oeldorf-Hirsch and Libin Rong
    Department of Mathematics & Computational Science, University of South Carolina Beaufort, SC, USA
    Department of Communication, University of Connecticut, Storrs, CT, USA
    Department of Mathematics and Statistics, Oakland University, Rochester, MI, USA

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    Chun-Kai Wang Bo-June (Paul) Hsu Ming-Wei Chang Emre Kiciman
    Microsoft Research

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    Stephane Frenot and Stephane Grumbach
    Universite de Lyon, INRIA
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    Tera Reynolds, Mark Cameron, Mike Conway, Amy Ising, Eric H.Y. Lau, Jennifer Olsen, Julie Pavlin, Bill Storm,
    Katie Suda and Courtney Corley
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    Dan Dumbrell and Robert Steele
    Discipline of Health Informatics, University of Sydney
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Myung-Hwa Hwang, Shaowen Wang, Guofeng Cao, Anand Padmanabhan and Zhenhua Zhang

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Yoshiaki Kitagawa, Mamoru Komachi, Eiji Aramaki, Naoaki Okazaki, and Hiroshi Ishikawa

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53rd Annual Meeting of the Association for Computational Linguistics and the 7th International Joint Conference on Natural Language Processing, Beijing, China

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Justin Sampson, Fred Morstatter, Ross Maciejewski, Huan Liu

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131. **On quality of event localization from social network feeds**

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

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Anand Padmanabhan, Shaowen Wang, Guofeng Cao, Myunghwa Hwang, Zhenhua Zhang, Yizhao Gao, Kiumars Soltani and Yan Liu

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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
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   Xingwu Liu, Yunfei Bai, Chunlin Huang, Xiaoyan Wang, Dongbo Bu
   Institute of Computing Technology, Chinese Academy of Sciences, Beijing, China

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   Madeena Sultana, Padma Polash Paul and Marina Gavrilo
   Department of Computer Science, University of Calgary, Calgary, AB, Canada

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   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

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   Seema L. Vandure, Manjula Ramannavar and Nandini S. Sidnal, Ph.D
   KLS Gogte Institute of Technology, Udyambag, Belgaum Karnataka, India

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   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
   School of Computer and Information, School of Management, Hefei University of Technology, Hefei, Anhui, China

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   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
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   Karolos Talvis, Kostantinos Chorianopoulos and Katia Lida Kermanidis
   Department of Informatics, Ionian University, Corfu, Greece

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   Saloni Jain, Georgia State University

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ZhangYu shao, JiangSheng 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

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Revathy Krishnamurthy, Pavan Kapanipathi, Amit P. Sheth, and Krishnaprasad Thirunarayan
Kno.e.sis Center, Wright State University, USA

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Adam Sadilek, Henry Kautz, Lauren DiPrete, Brian Labus, Eric Portman, Jack Teitel, and Vincent Silenzio
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146. Surpassing the Limit: Keyword Clustering to Improve Twitter Sample Coverage
Justin Sampson, Fred Morstatter, Ross Maciejewski, Huan Liu
School of Computing, Informatics, and Decision Systems Engineering, Arizona State University

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

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Youngok Kang, Jaehee Park, and Aetti Kang
Korea Research Institute for Human Settlement
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Denise Brito, Janaina Gomide, Walter Santos, Wagner Meira Jr., Adriano Veloso & Virgilio Almeida
Federal University of Minas Gerais, Brazil

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Liang Zhao, Feng Chen, Chang-Tien Lu, Naren Ramakrishnan
Virginia Tech
SUNY Albany

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Liang Zhao, Jianzhao Chen and Feng Chen Wei Wang, Chang-Tien Lu, Naren Ramakrishnan
Virginia Tech
University of Albany, SUNY
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Alexandra Bornkessel & Robert Furberg & R. Craig Lefebvre
Center for Communication Science, RTI International, MD, USA
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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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Anna C Nagel, Ming-Hsiang Tsou, Brian Spitzberg, Li An, J Mark Gawron, Dipak Gupta & Jiue-An Yang
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Ming-Hsiang Tsou, Department of Geography, San Diego State University, San Diego, CA, USA
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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

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Robyn Dutch, Scott Hind, Eric Hsu, Gabriel Li, Corey Nelsen

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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
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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. Włodarczak, J. Soar, M. Ally
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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

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    Vincenza Carchiolo, Alessandro Longheu, Michele Malgeri and Giuseppe Mangioni
    Dip. Ingegneria Elettrica, Elettronica e Informatica - Università degli Studi di Catania - Italy
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    Wei Jiang, Yandong Wang, Ming-Hsiang Tsou, Xiaokang Ful
    State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan University,
    Wuhan, Hubei, China
    Department of Geography, San Diego State University, San Diego, California, USA

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    Andrew Yates, Alek Kolcz, Nazli Goharian, Ophir Frieder
    Information Retrieval Lab, Department of Computer Science, Georgetown University, USA
    Twitter, Inc.

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    Haider M. Habeeb and Nabeel Al-Araj
    Department of Information Networks, College of IT, University of Babylon, Iraq
    Ministry of Higher Education and Scientific Research, Iraq
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    Brian Dopson, Cardavian Lowery, Deepti Joshi
    The Citadel, Charleston, SC

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    Prasanna Giridhar
    Dept. of Comput. Sci., Univ. of Illinois at Urbana Champaign, Urbana, IL, USA
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167. Using Twitter Data and Sentiment Analysis to Study Diseases Dynamics  
   Vincenza Carchiolo, Alessandro Longheu and Michele Malgeri  
   Dip. Ingegneria Elettrica, Elettronica e Informatica, Università 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  
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   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 Tti 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. Hierarchical Incomplete Multi-source Feature Learning for Spatiotemporal Event Forecasting  
   Liang Zhao and Feng Chen  
   Virginia Tech  
   University of Albany, SUNY

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
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-garadia, 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

184. Parallelization in Extracting Fresh Information from Online Social Network
   Rui Guo, Hongzhi Wang, Mengwen Chen, Jianzhong Li, Hong Gao
Harbin Institute of Technology

(C) Books

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

   Editors: Andrea Matta, Jingshan Li, Evren Sahin, Ettore Lanzarone and John Fowler Editors
   Epidemic State Estimation with Syndromic Surveillance and ILLI 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.)
   APWeb 2014 Workshops
   Changsha, China, September 5, 2014, Proceedings
Detect and Analyze Flu Outlier Events via Social Network
Quanquan Fu, Changjun Hu, Wenwen Xu, Xiao He, and Tieshan Zhang
School of Computer & Communication Engineering, University of Science & Technology Beijing, China
Information Office, China-Japan Friendship Hospital, Beijing, China

9. **Book** - Healthcare Data Analytics
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

11. **6th international workshop on Health text mining & information analysis, September 2015, Lisbon, Portugal**
Nugroho Dwi Prasetyo, Claudia Hauff, Dong Nguyen, Tijs van den Broek & Djoerd Hiemstra
Web Information Systems, Delft University of Technology, Delft, the Netherlands
University of Twente, Enschede, the Netherlands

12. **Book** - Quality of Life through quality of information
Editors: John Mantas, Stig Kjar Anderson, Maria Cristina Mazzoleni, Bernd Blobel, Silvana Quaglini, Anne Moen
A Real-Time Disease Surveillance Architecture Using Social Networks
Mustafa Sofean and Matthew Smith
Leibniz University Hannover, Distributed Computing & Security Group, Germany

13. **SANDIA Report** - Nowcasting influenza outbreaks using open-source media reports
Jaideep Ray and John S. Brownstein
Sandia National Laboratories
Albuquerque, New Mexico 87185 and Livermore, California 94550

14. **Text analytics of Twitter-generated data and applicability for Public Governance**
Nivala, Tuomas
Jyväskylä, University of Jyväskylä, 2013, 96 p.
Information Systems Science, Finland

15. **Twitterlab - Bachelor Informatica - Bas Vlaszaty**
16. **Book**: *Sustainability 2016*
   Academic Editors: Yichun Xie and Marc A. Rosen
   Using Social Media for Emergency Response and Urban Sustainability: A Case Study of the 2012 Beijing Rainstorm
   Yandong Wang, Teng Wang, Xinyue Ye, Jianqi Zhu and Jay Lee
   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

   A medical technologist perspective on pandemics
   Professor Christoph Thuemmler, From the Institute and Faculty of Actuaries

18. **Social Media and Sentiment Analysis**
   Editors: Andrea Ceron Luigi Curini Stephen M. Iacus
   The evolution of social phenomena through the Internet

19. **Book**: *Advances in Artificial Intelligence*
   Editors: Richard Khoury and Christopher Drummond
   Forecasting Canadian Elections Using Twitter
   Kenton White
   Advanced Symbolics, Ottawa, ON, Canada
   School of Electrical Engineering and Computer Science, University of Ottawa, ON, Canada

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

21. **Book**: *Online Information Review, 2014*
    "Wisdom of the crowds" and online information reliability: A case study of Israeli real estate websites
    Author: Zhitomirsky-Geffet

22. **Book**: *Analysis of Images, Social Networks and Texts:*
    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
Consultant Plus LLC, Moscow, Russia
Moscow Institute of Physics and Technology, Moscow, Russia
Undev LLC, Moscow, Russia

(D) Presentations & Posters

1. Flu Trend Prediction Using Social Media Network Data
   Ali Al Essa, Dr. Miad 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 Femi 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, Satoh Issei, Minoru Yoshida, Yutaka Nakagawa
   The University of Tokyo Graduate School of Interdisciplinary Information Studies
   Structured Center of the University of Tokyo Knowledge Information Technology Center, The University of Tokyo

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.


(E) Blogs

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