1. Basic information of Mining Social Media Sites project

- Project running from Sept. 1, 2013 to Aug. 31, 2017
- Overall budget ca. 733 k€, of which Academy ca. 510 k€
- Performed by Social Media Analytics (SOMEA) research group at University of Jyväskylä, Dept. of Computer Science and Information Systems at the Faculty of Information Technology
2. People participating in the research

- **Master students**
  - Miika Reinikainen, graduated in June 2016; no funding
  - Dicle Köse, graduated in Feb. 2016; no funding
  - Andrei Eremeev, graduated in March 2016, no funding
- All the above students published a JUFO1-level paper based on their M.Sc. Theses (see list of publications)

- **Ph.D. students**
  - Jorma Kyppö (thesis currently in review); funded for ca. one year from the project 2014-2015 and 2016
  - Denis Kotkov (mid 2014->; will defend in 2017); 100% funding from the project for 3 years
  - Gaurav Pandey (started mid 2015); funded mainly by the Dept. of CS & IS
  - Boyang Zhang (will defend in Jan. 2017) 100% funding for 1 year (2015-2016); majoring at the Dept. of Communication, 1. supervisor prof. Marita Vos
  - Aleksei Romanov (started mid 2016); funding currently from another project, may need funding in 2017 from the MineSocMed project
2. People participating in the research (cont)

- Post-Doctoral researchers
  - Dr. Shuaquiang Wang (mid 2014-); 50 % funding
  - Dr. Alexander Semenov (1.9.2013 -) 30-50 % funding

- International cooperation partners
  - Prof. Dipankar Dasgupta, Univ. of Memphis, USA;
    • visited Finland in 2013 and 2014;
    • Keynote speaker at the first security fair at Jyväskylä Messukeskus in Sept. 2014
    • Opponent in a Ph.D. defence in Sept. 2014
    • Travel costs paid partially from the project
    • Dr. Semenov visited Univ. of Memphis in 2013 and 2014; 2 common publications

2. People participating in the project; International cooperation, cont.

- Assistant prof. Alexander Nikolaev, SUNY Buffalo, USA;
  • visited Finland 2014, 2015, 2016; many common publications (see later)
  • offered summer university courses in social media analytics area at Univ. of Jyväskyla 2014, 2015, 2016
  • Docent at JY since 2015
  • Project paid ~2 months salary during research visits and travel costs
2. People participating in the project; International cooperation cont.

- Assistant prof. Dinissa Duvianova; earlier at SUNY Buffalo, currently at Lehigh University, Pennsylvania, USA
  - Several common publications
- Assoc. prof. Vladimir Boginski, Univ. of Florida & Univ. of Central Florida, Florida, USA
  - Several common publications
  - Docent nomination is underway at JY
- Docent Georgiy Korneev, ITMO University, Saint Petersburg, Russia
  - Common supervision of M.Sc. Students, one common publication

2. People participating in the project; national cooperation

- Prof. Pertti Saariluoma, JY/ Cognitive Science
  - Common Ph.D. supervision, human aspects in social media
- Prof. Markku Lonkila, JY/Sociology
  - Analysis of the Russian political phenomena at social media sites (vk.com, Livejournal)
  - One common publication is in preparation
- Prof. Marita Vos, JY/Communication Dept.
  - Boyang Zhang’s primary supervisor
- National Bureau of Investigation (KRP)
  - Cooperation concerning the Internet crime, its prevention and phenomena especially in social media
3. Scientific publications 2014

- A Semenov, J Veijalainen, M Hajeer, D Dasgupta, Political Communities in Russian Portion of Livejournal. Computational Science and Computational Intelligence Conference (CSCI), 2014. IEEE, DOI: 10.1109/CSCI.2014.61 (JUFO-0, 1 cit.)
- M Hajeer, D Dasgupta, A Semenov, J Veijalainen, Distributed evolutionary approach to data clustering and modeling. IEEE Symposium on Computational Intelligence and Data Mining (CIDM), 2014. IEEE, DOI: 10.1109/CIDM.2014.7008660 (JUFO-1)

3. Scientific publications 2015

3. Scientific publications 2015 (cont)


3. Scientific publications 2016 (cont)


3. Scientific publications 2016 (cont)


3. Scientific publications (accepted/in press)


- Pengjie Ren, Zhumin Chen, Jun Ma, Shuaiqiang Wang, Zhiwei Zhang, Zhaochun Ren, User Session Level Diverse Reranking of Search Results. Neurocomputing, in press. (JUFO-2)
3. Scientific publications Accepted/in press (cont)


4. Other impact

- The bulletin of University of Jyväskylä, *Tiedonjyvä* Published an article about “100 Putins” in 2015.
- Conf. program committee memberships 2013-2017
  - Jari Veijalainen:
    - ITU Kaleidoscope 2013-2017 (some social media-related manuscripts evaluated)
    - WEBIST 2013-2017 (many social media manuscripts evaluated)
    - 15th IFIP WG 6.11 Conf. on e-Business, e-Services, and e-Society, I3E 2016 (solely social media-related manuscripts evaluated)
4. Other impact (Conf. PC memberships cont.)

- Shuaiqiang Wang
  - CIKM 2015
  - SIGIR 2016

4. Other impact (Editorial boards)

- Editorial board memberships
  - Jari Veijalainen
    - IJWET (some social media related articles evaluated)
    - IJMIS
5. Conclusions

- The main impact of the project is probably education of new people in social media analytics.
- Over 20 publications in JUFO-1 – JUFO-3 level outlets that report the results to the scientific community; multidisciplinary cooperation and publications.
- Thousands of lines of code in Python, Java and C++ to crawl social media sites and analyse the data.
- ~20 TB collected social media data; more is collected continuously; mostly parsed in DB tables.
- Building a national and international cooperation network in social media analytics; Data has been transferred to US researchers (MTAs).

More information