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Google Scholar, GitHub, LinkedIn, Twitter

RESEARCH INTERESTS

Blockchains, Data Analysis, Social Computing, Machine Learning.

EDUCATION

PhD., Computer Science

Saarbrücken, DE

Max Planck Institute for Software Systems - MPI-SWS

August, 2018 - present

Networked Systems Research group

- My research (supervised by Dr. Krishna P. Gummadi) focuses on transaction commit times on proof-of-work blockchains.

M.Sc., Computer Science

Belo Horizonte, BR

Universidade Federal de Minas Gerais - UFMG

March, 2015 - June, 2017

Laboratório de Computação Social - LoCuS

- Two-year program. My research was supervised by Dr. Fabrício Benevenuto.
- Thesis: Characterizing Interconnections and Linguistic Patterns in Twitter.

B.Sc., Exchange Program

Budapest, HU

Eötvös Loránd University - ELTE

July, 2013 - September, 2014

- Granted with a scholarship from the Brazilian Scientific Exchange Program ([Science without Borders - CAPES](#)) in Budapest, Hungary, spending fourteen months studying in an European University.

B.Sc., Computer Science

Ouro Preto, BR

Universidade Federal de Ouro Preto - UFOP

March, 2009 - December, 2014

- Four-year program, Total Grade: 8/10.
- Thesis: Framework Para Sistemas de Navegação de Veículos Aéreos Não Tripulados.

PRESS

Some of my scientific efforts have been covered by news media and specialized blogs, including [The New York Times](#), [The Huffington Post](#), [MIT Tech Review](#), [BBC Brasil](#), [Nexo](#), and [Folha de São Paulo](#).

TALKS

- 2019: (Mis)Information Dissemination in WhatsApp: Gathering, Analyzing and Countermeasures. 5th International Conference on Computational Social Science (IC2S2'19). Amsterdam, NL.
- 2016: From Migration Corridors to Clusters: The Value of Google+ Data for Migration Studies. IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM'16). San Francisco, US.
- 2016: Towards Sentiment Analysis for Mobile Devices. IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM'16). San Francisco, US.
- 2015: Bazinga! Caracterizando e Detectando Sarcasmo e Ironia no Twitter. Brazilian Workshop on Social Network Analysis and Mining (BraSNAM'15). Recife, BR.
- 2015: Brazil Around the World: Characterizing and Detecting Brazilian Emigrants Using Google+. Brazilian Symposium on Multimedia and the Web (WebMedia'15). Manaus, BR.
- 2013: Bots Sociais: Como robôs podem se tornar pessoas influentes no Twitter? XXXII Concurso de Trabalhos de Iniciação Científica (CTIC'13). Maceió, BR.
- 2012: Sigam-me os bons! Transformando robôs em pessoas influentes no Twitter. Brazilian Workshop on Social Network Analysis and Mining (BraSNAM'12). Curitiba, BR.
- 2011: UGUIDE: Rede Social Móvel Aplicada a Educação. XIX Seminário de Iniciação Científica da UFOP. Ouro Preto, BR.
- 2011: Computação Móvel: Tendências e Android. 6ª Semana da Informática - IFSULDEMINAS. Muzambinho, BR.
- 2010: BlueGuide - Uma Plataforma de Suporte ao Turista em Ouro Preto. I Seminário de Pesquisa do PPGCC & UFOP e I Fórum de Alunos e Ex-Alunos do DECOM. Ouro Preto, BR.

PUBLICATIONS

Journal

1. Kulshrestha, J., Eslami, M., **Messias, J.**, Zafar, M.B., Ghosh, S., Gummadi, K.P. and Karahalios, K., 2019. Search bias quantification: investigating political bias in social media and web search. Information Retrieval Journal, 22(1-2), pp.188-227.
2. Mondal, M., **Messias, J.**, Ghosh, S., Gummadi, K.P. and Kate, A., 2017. Managing longitudinal exposure of socially shared data on the Twitter social media. International Journal of Advances in Engineering Sciences and Applied Mathematics, 9(4), pp.238-257.
3. **Messias, J.**, Diniz, J.P., Soares, E., Ferreira, M., Araújo, M., Bastos, L., Miranda, M. and Benevenuto, F., 2017. An evaluation of sentiment analysis for mobile devices. Social Network Analysis and Mining, 7(1), p.20.
4. Mondal, M., **Messias, J.**, Ghosh, S., Gummadi, K. and Kate, A., 2017. Longitudinal Privacy Management in Social Media: The Need for Better Controls. IEEE Internet Computing.
5. **Messias, J.**, Schmidt, L., Oliveira, R. and Benevenuto, F., 2013. You followed my bot! Transforming robots into influential users in Twitter.

Conference

1. Resende, G., Melo, P., Sousa, H., **Messias, J.**, Vasconcelos, M., Almeida, J. and Benevenuto, F., 2019, May. (Mis) Information Dissemination in WhatsApp: Gathering, Analyzing and Countermeasures. In The World Wide Web Conference (pp. 818-828). ACM.
2. Melo, P., **Messias, J.**, Resende, G., Garimella, K., Almeida, J. and Benevenuto, F., 2019, July. WhatsApp Monitor: A Fact-Checking System for WhatsApp. In Proceedings of the International AAAI Conference on Web and Social Media (Vol. 13, No. 01, pp. 676-677).

3. Ribeiro, F.N., Saha, K., Babaei, M., Henrique, L., **Messias, J.**, Benevenuto, F., Goga, O., Gummadi, K.P. and Redmiles, E.M., 2019, January. [On microtargeting socially divisive ads: A case study of russia-linked ad campaigns on facebook](#). In Proceedings of the Conference on Fairness, Accountability, and Transparency (pp. 140-149). ACM.
4. Resende, G., **Messias, J.**, Silva, M., Almeida, J., Vasconcelos, M. and Benevenuto, F., 2018, October. [A System for Monitoring Public Political Groups in WhatsApp](#). In Proceedings of the 24th Brazilian Symposium on Multimedia and the Web (pp. 387-390). ACM.
5. **Messias, J.**, Vikatos, P. and Benevenuto, F., 2017, August. [White, man, and highly followed: Gender and race inequalities in Twitter](#). In Proceedings of the International Conference on Web Intelligence (pp. 266-274). ACM.
6. Reis, J., Kwak, H., An, J., **Messias, J.** and Benevenuto, F., 2017, July. [Demographics of news sharing in the us twittersphere](#). In Proceedings of the 28th ACM Conference on Hypertext and Social Media (pp. 195-204). ACM.
7. Vikatos, P., **Messias, J.**, Miranda, M. and Benevenuto, F., 2017, July. [Linguistic diversities of demographic groups in Twitter](#). In Proceedings of the 28th ACM Conference on Hypertext and Social Media (pp. 275-284). ACM.
8. Chakraborty, A., **Messias, J.**, Benevenuto, F., Ghosh, S., Ganguly, N. and Gummadi, K.P., 2017, May. [Who makes trends? understanding demographic biases in crowdsourced recommendations](#). In Eleventh International AAAI Conference on Web and Social Media.
9. Kulshrestha, J., Eslami, M., **Messias, J.**, Zafar, M.B., Ghosh, S., Gummadi, K.P. and Karahalios, K., 2017, February. [Quantifying search bias: Investigating sources of bias for political searches in social media](#). In Proceedings of the 2017 ACM Conference on Computer Supported Cooperative Work and Social Computing (pp. 417-432). ACM.
10. **Messias, J.**, Benevenuto, F., Weber, I. and Zagheni, E., 2016, August. [From migration corridors to clusters: The value of Google+ data for migration studies](#). In Proceedings of the 2016 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (pp. 421-428). IEEE Press.
11. **Messias, J.**, Diniz, J.P., Soares, E., Ferreira, M., Araujo, M., Bastos, L., Miranda, M. and Benevenuto, F., 2016, August. [Towards sentiment analysis for mobile devices](#). In 2016 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM) (pp. 1390-1391). IEEE.
12. Mondal, M., **Messias, J.**, Ghosh, S., Gummadi, K.P. and Kate, A., 2016. [Forgetting in social media: Understanding and controlling longitudinal exposure of socially shared data](#). In Twelfth Symposium on Usable Privacy and Security (SOUPS 2016) (pp. 287-299).
13. Silva, L. A. A., **Messias, J.**, Moro, M. M., Melo, P. O. S. V., Benevenuto F., 2015, June. [Algoritmos de Aprendizado de Máquina para Predição de Resultados de Lutas de MMA](#). SBBD (Short Papers) (pp. 21-26).
14. **Messias, J.**, Magno, G., Benevenuto, F., Veloso, A. and Almeida, V., 2015, October. [Brazil Around the World: Characterizing and Detecting Brazilian Emigrants Using Google+](#). In Proceedings of the 21st Brazilian Symposium on Multimedia and the Web (pp. 85-91). ACM.
15. Gonçalves, P., Dalip, D.H., Reis, J.C., **Messias, J.**, Ribeiro, F. and Melo, P., 2015. [Bazinga! caracterizando e detectando sarcasmo e ironia no twitter](#). In In Proceedings of the Proceedings of the Brazilian Workshop on Social Network Analysis and Mining (BraSNAM) (p. 3).
16. **Messias, J.**, Benevenuto, F. and Oliveira, R., 2018. [Bots Sociais: Como robôs podem se tornar pessoas influentes no Twitter?](#). Revista Eletrônica de Iniciação Científica em Computação, 16(1).
17. **Messias, J.**, Schmidt, L., Oliveira, R. and Benevenuto, F., 2012. [Sigam-me os bons! Transformando robôs em pessoas influentes no Twitter](#). BraSNAM, Curitiba, PR, Brazil.

Other

1. **Messias, J.**, 2017. [Characterizing Interconnections and Linguistic Patterns in Twitter](#). M.Sc. Thesis, Universidade Federal de Minas Gerais - UFMG.
2. **Messias, J.**, 2014. [Framework Para Sistemas de Navegação de Veículos Aéreos Não Tripulados](#). B.Sc. Thesis, Universidade Federal de Ouro Preto - UFOP.