Subject: Announcement: TWAS LACREP Young Scientists Award 2022
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Date: 23-11-22, 12:55
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Dear Colleagues,
Fellows, Affiliates of TWAS-LACREP/ TYAN and Nominees,
We are happy to announce the winner of the TWAS LACREP Young Scientists Award 2022 in the Engineering Science.
Based on the evaluations expressed by the Award Committee of TWAS LACREP, the award goes to the best voted scientist:

FELIPE BRAVO MÁRQUEZ – Chile

Best Regards,

Virgilio de Almeida
Head of TWAS-LACREP

Note:
Felipe Bravo-Marquez is Assistant Professor with the Department of Computer Science at the University of Chile, Associate Researcher at the National Center for Artificial Intelligence Research (CENIA) , and Young Researcher at Millennium Institute for Foundational Research on Data (IMFD). He conducted his PhD degree in the Machine Learning Group at the University of Waikato, New Zealand, where he also held a research fellow position for two years. He currently holds an Honorary Research Associate position with this group. Previously, he received two engineering degrees in the fields of computer science and industrial engineering, and a masters degree in computer science, all from the University of Chile. He worked for three years as a research engineer at Yahoo! Labs Latin America.
The candidate's merits as an outstanding scholar and his global and local contributions are detailed below.
His research expertise lie in the acquisition of knowledge and information from natural language, spanning the overlapping fields of natural language processing (NLP), machine learning (ML), artificial intelligence (AI), and information retrieval (IR). During his research career he has developed several (NLP) and Machine ML methods for the analysis of opinions and emotions in social media, as well as other applications focused on fairness, health, education, among others. His work has been published in top tier AI conferences and journals e.g., IJCAI, ICWSM, SIGIR, COLING, EACL, ECAI, JMLR, Knowledge-based Systems. He has been part of the program committees of important conferences in natural language processing and artificial intelligence, including ACL, AAAI, EMNLP, NAACL, IJCAI, and ECAI.
Felipe has co-organized various shared tasks on the automatic analysis of emotions in tweets and semantic change detection in Spanish. One of the tasks was made part of SemEval, the major event on which an NLP task can be hosted, and attracted about 200 participants from all over the world. He is the main developer and maintainer of the AffectiveTweets software, an open source tool for analyzing emotions and sentiment of tweets. He also leads the development of WEFE, an open source software for measuring and mitigating bias in language models and word embeddings. The software has been downloaded more than 20,000 times to date. His work has been cited more than 2300 times. He has given invited talks about NLP and deep learning in various Chilean Universities, The University of Melbourne, The National Research Council, Canada, the Institute of Computational Linguistics at the University of Zürich, Facebook, Imperial College London, among others.
He has also contributed to the dissemination of the fields of data mining, natural language processing and statistics, sharing public video lectures in Spanish on his Youtube channel, which accumulates more than 75,000 views.
References:
Personal Website: https://felipebravom.com/
Google Scholar Profile: https://scholar.google.com/citations?user=q--XWcQAAAAJ&hl
Youtube Channel: https://www.youtube.com/felipebravom
AffectiveTweets: https://affectivetweets.cms.waikato.ac.nz/
WEFE: https://wefe.readthedocs.io/en/latest/

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Certificada como Utilidade Pública pelo Ministério da Justiça

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