
on Bayesian methods for machine learning and automated discovery. According to the Scopus database, Dr. Guimerà has published 68 articles in international journals including top journals such as Nature, Science and Proceedings of the National Academy of Sciences USA. He has an h-index of 29 (Google Scholar (GS): 34). His publications have received 9,256 citations (GS: 14,741). In 2010, he received the award Talent Jove by the Generalitat de Catalunya to the best young investigator; in 2012 he received the Erdős-Rényi Prize to the best young researcher on complex networks; in 2014, he received the award to the Best Young Researcher in socio-econophysics by the German Society of Physics.

Prof. Marta Sales-Pardo (female) is the co-director of the SEES Lab and Associate professor at the Dept of Chemical Engineering. Her research focuses on the development of methodologies to model and understand complex and disordered systems in a number of contexts, including, physical, biological, and social. Dr. Sales-Pardo has authored 64 publications in international journals including top journals such as Science, Science Advances or the Proceedings of the National Academy of Sciences, which have received 3,351 citations (GS: 5,022). She has an h-index of 25 (GS: 27). In 2013, she received an ICREA Acadèmia award for excellence in research.

Contribution to ROBHOOT

Roger Guimerà and Marta Sales-Pardo work for URV in ROBHOOT. Roger will coordinate the full life-cycle automation of ROBHOOT (WP1, WP2, WP3). Roger and Marta will also apply and develop techniques for automating evolutionary expressions for the data, causal knowledge discovery and discovery in federated networks. URV team has a wide experience in Bayesian machine scientist and automation of complex systems.

Gender balance

The SEES Lab has 1 male and 1 female PI, which ensures gender balance at the highest scientific level. The SEES Lab actively participates in initiatives to encourage the participation of women in STEM. In particular, during the 2019-2020 academic year, Dr. Sales-Pardo has participated in the Inspira program to inspire girls aged 12-16 to pursue careers in STEM fields. Dr. Sales-Pardo is also responsible for gender issues at the School of Chemical Engineering, URV.

Relevant publications, products, services

1. Reichardt, I, Pallarès, J, Sales-Pardo, M, Guimerà, R. Bayesian machine scientist to compare data collapses for the Nikuradse dataset, Phys. Rev. Lett. 124 , 084503 (2020).
2. Guimera, R, Reichardt, I, Aguilar-Mogas, A, Massucci, FA, Miranda, M, Pallares, J, Sales-Pardo, M. A Bayesian machine scientist to aid in the solution of challenging scientific problems, Sci. Adv. 6 (5) , eaav6971 (2020).
3. Godoy-Lorite, A, Guimera, R, Moore, C, Sales-Pardo, M., Accurate and scalable social recommendation using mixed-membership stochastic block models, Proc. Natl. Acad. Sci. USA 113 (50) , 14207 -14212 (2016).
4. Massucci, FA, Wheeler, J, Beltran-Debon, R, Joven, J, Sales-Pardo, M, Guimera, R., Inferring propagation paths for sparsely observed perturbations on complex networks, Sci. Adv. 2 , e1501638 (2016).
5. Vallès-Català, T, Massucci, FA, Guimera R, Sales-Pardo, M., Multilayer stochastic block models reveal the multilayer structure of complex networks, Phys. Rev. X 6 , 011036 (2016).