

Dr Felipe Campelo

Senior Lecturer, Computer Science at Aston University

Birmingham, , GB

Dr Campelo works in data science. He creates solution pipelines integrating data mining, optimisation and multicriteria decision support.

Biography

Dr. Campelo's current research focuses on the development of integrated solution frameworks for prescriptive data analysis, developing and adapting optimisation and machine learning techniques for the solution of complex problems in several areas of science and engineering, with a particular interest for bioinformatics and health informatics. He is also involved with the development of methodologically and statistically sound protocols for the experimental comparison of optimisation and machine learning algorithms. He is currently a Senior Lecturer and Deputy Head of Computer Science at Aston University. He received his BSc in Electrical Engineer from Universidade Federal de Minas Gerais (UFMG, Brazil) in 2003. He was then awarded the prestigious Monbusho scholarship from the Japanese government to pursue his postgraduate studies in Hokkaido University, Japan, where he obtained first a Research MSc (Information Science and Technology, 2006) and then a PhD (Systems Science and Informatics, 2009). After returning to Brazil in 2009, he held a postdoctoral position at UFMG between 2009-10, before joining their Department of Electrical Engineering as an Assistant (later Associate) Professor in August 2010. While at UFMG he supervised over 15 postgraduate students and acted as deputy head of department between 2013 and 2017.

Areas of Expertise

Optimisation, Computational Intelligence, Data Mining, Data Science

Affiliations

Foundation for Open Access Statistics (FOAS) - since 2019, Association for Computing Machinery (ACM) - since 2013, Institute of Electrical and Electronics Engineers (IEEE) - since 2004

Education

Hokkaido University

PhD Systems Science and Informatics

Hokkaido University

MS Information Science and Technology

Universidade Federal de Minas Gerais

BEng Electrical Engineering

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