



Instituto Universitario de Investigación
**Biocomputación y Física
de Sistemas Complejos**
Universidad Zaragoza

David Íñiguez Dieste

David completed his PhD thesis, Critical Phenomena in Field Theories and Complex Systems, at the University of Zaragoza, with stays in Edinburgh, Rome - La Sapienza and Naples. Afterwards, he worked in private companies in R&D consultancy and management. In 2010, he joined BIFI through the ARAID Foundation. In 2014, he co-founded the spin-off Kampal Data Solutions, with which he continues to collaborate. He currently leads the Computing and Data Science Area at BIFI.



Researcher profile

He is an R4 researcher, focusing on spin glass physics, dedicated computers, complex networks and artificial intelligence. He collaborates in the Janus project, where he led the development of Janus II, an optimised machine for solving spin glass problems, in collaboration with Nobel Laureate Giorgio Parisi. His research in complex networks includes research and social networks, while in artificial intelligence he develops models for optimisation and forecasting in the business sector.

Importance of his research

Research in spin glasses, the basis of complex systems, has generated methods applicable in many areas.

From CESAR, at the BIFI, he facilitates supercomputing and storage for R&D&I projects in research and business. He also coordinates national and international projects, applying artificial intelligence to health, waste optimisation and customer analysis in the insurance sector, among others.

