David Ríos Brief CV

AXA-ICMAT Chair in Adversarial Risk Analysis at the Institute of Mathematical Sciences of the CSIC. Professor (on leave) of Statistics and OR at Rey Juan Carlos University and member of the *Steering Committee* of the COST program in Expert Judgement.

Studied Mathematics at Universidad Complutense (1987) with National Prize and did his PhD in Computer Studies at Leeds University (1990). He has previously held research and/or teaching positions at Manchester University, University of Leeds, Universidad Politécnica de Madrid, Purdue University, Duke University, IIASA, CNR-IMATI and SAMSI, where he led the program *Risk Analysis, Extreme Events and Decision Theory*.

Has published 13 books and monographs including S*ensitivity Analysis in Multiobjective Decision Making*, Springer Verlag (1990), *Statistical Decision Theory*, Edward Arnold (with S. French), (2000), *Robust Bayesian Analysis*, Springer (with F. Ruggeri), (2000), *E-Democracy. A Group Decision and Negotiation Perspective*, Springer (with S. French), (2010), *Bayesian Analysis of Stochastic Processes*, Wiley (2012) (with Ruggeri and Wiper) and *Adversarial Risk Analysis,* CRC (2015) (with Banks and J. Rios). Has edited 7 journal special issues.

Has published more than 110 refereed papers and book chapters, including: "A framework for sensitivity analysis in multiobjective decision making", *European Journal of Operations Research*; "On the foundations of decision making under partial information", *Theory and Decision*; "Issues in Bayesian Analysis of Neural Network Models", *Neural Computation*; "Bayesian analysis of M/Er/1 and M/Hk/1 Queues", *Queueing Systems, Theory and Applications*; "Decision analysis by augmented probability simulation", *Management Science*; "Inference with gamma mixtures with applications to queuing models", *Journal of Computational and Graphical Statistics*; "Adversarial Risk Analysis*", Journal of the American Statistical Analysis;* "To fuel or not to fuel*", Journal of the American Statistical Analysis; "*Modeling opponents in adversarial risk analysis*", Risk Analysis*.

Has been Principal Investigator in 45 national and international projects. Has received the Ramiro Melendreras, Peccei, Universidad Politécnica de Madrid, WIRSBO, Fundación DMR Consulting, Society for Risk Analysis Prizes for Research.

Has supervised 18 PhD theses and more than 100 Master and final projects.

Has been associate editor of journals such as *Journal of Computational and Graphical Statistics*, *Journal of Multicriteria Decision Analysis*, *RACSAM*, *Group Decision and Negotiation*, *International Transactions of OR*, *European Journal of Decision Processes* or *Decision Analysis*.

His main interests are in Bayesian Inference and Decision Analysis, Simulation, Negotiation Analysis and Risk Analysis, with applications to Electronic Democracy, Reliability, Security and Social Robotics. He is scientific advisor of Aisoy Robotics.

Advisor at the Higher Council of the National Institute of Statistics. Vicechairman of the Royal Academy since 2015. Member of his International Relations and Terminology Committees.