



**Ph.D. Karina Gibert** ([karina.gibert@upc.edu](mailto:karina.gibert@upc.edu), <http://www.eio.upc.edu/en/homepages/karina>) is a Full Professor at the Universitat Politècnica de Catalunya-BarcelonaTech (UPC) since Nov 2018, working at UPC from 1990. Bachelor in Informatics Engineering (1990) with specialities of computational statistics and AI. Ph.D. in Computer Science (UPC, 1995). Postgraduate in University Teaching, (UPC, 1996). Member of the governmental working team Catalonia.AI (from oct 2018). Founder of Commission donesCOEINF for the gender gap in Informatics Engineering (May 2018) and ViceDean for Big Data and Data Science of the Official Professional Chamber of Informatics Engineering of Catalonia (COEINF) (from May 2017). Subdirector (academic secretary) of Intelligence Data Science and Artificial Intelligence Research center (IDEAI) (from Jan 2018). External member of the VIDEALab, Australia (Jan 2018). Editor of JRC journal Environmental Modelling and Software, Elsevier, (Jan 2018-). Member of the Board of the Int'l Environmental Modelling and Software Society (iEMSS, Jul 2016-). Advisor of Observatori de la Sostenibilitat d'Andorra (in intensive data-driven processes, Jan 2018-). Member of the IASC Committee on Computational Statistics and Data Mining for Knowledge Discovery (Int'l Association of Statistical Computing, Jul 2015-). Elected Fellow (and member of the board) of the Int'l Environmental Modelling and Software Society (2007). Member of the Experts committee of hospital Guttman (Gen 2005- ).

She leads courses related with Statistics, Multivariate Analysis, Data Science and Intelligent Decision Support in several degrees and masters, mainly at UPC. Interested in innovation for teaching (part of the Professional Skills commission (FIB, June 2016-); member of eHealth Eurocampus (1000224-EURCOM-EC).

Pioneer member of the Knowledge Engineering and Machine Learning (KEMLg) research group from 1986 and head of the group in 2013-2016 (group with excellence research certification from Catalan government from 2003-). Co-founder and secretary of the IDEAI Research Center (October 24<sup>th</sup>, 2017).

She is strongly focused in integral Data Science processes, including the design of hybrid Artificial Intelligence and Statistics Data Mining methodologies for intelligent data analysis of very complex domains, as well as bridging the gap between data and knowledge extraction processes and complex decision-making; she also works in pre and post-processing, Integral KDD systems and Intelligent Decision Support Systems (IEDSS). She leads the development of the software KLASS from 1989. She has long experience on health domains (consultant of the Mental Health Department of the WHO Feb 2008- Aug 2010), environmental systems (Elected Fellow from Int'l Environmental Modelling and Software Society, 2007), business, e-commerce, tourism and fraud detection fields. Essential characteristics of her research are the multidisciplinaryity, the externalization and the internationalization. She is particularly interested in applied research methodologies which can be transferred to society through real problem solving. She led research and technology transfer with many institutions (30 technology transfer contracts with 28 entities of productive sector, 37 competitive Spanish and European projects). To mention AI4EU (ICT-2018-2-RIA-825619) for an European platform on AI (Jan 2019), K4Care, (IST-2004-026968), EU-best e-Health European project Award (Feb 2010). IP of Diet4You (TIN2014-60557-R, on personalized diets)

donatIC 2018 Award in the academic/researcher category (Generalitat de Catalunya, Dec 2018). First HackingBullipedia contest Award (Nov 2013), related with the famous chef Ferran Adrià, with the project *GENESIS: Intelligent decision support for creativity through evolutive analysis*, [vimeo.com/78143348](https://vimeo.com/78143348).

Her scientific production has continuously been recognized as excellent by the Spanish Government from 1990, (44 SCI-papers, more than 300 publications, 19 in Q1, H-index 23). "Highly accessed paper" distinction to HARPS 8(28)1:16. She has edited 5 JCR special issues related with Data Science and AI.

She organizes some int'l workshops on Data Mining and Intelligent Decision Support from 2002 in iEMSS conference. Chair of the Int'l Conf. of the Catalan Association for Artificial Intelligence, Roses, Oct 2018.

She is pioneer member of COEINF (Official Professional Chamber of Informatics Engineering in Catalonia, 1991-, member 345), ACIA (Catalan Association of Artificial Intelligence, 1995- ), iEMs (int'l Environmental Modelling and Software society, 2002-), MIDAS (Spanish funded Network on Data Mining and Learning, 2002-), AMyC (interest group in Multivariate Analysis and Classification, a chapter of Spanish Society of Statistics and Operations Research, 2006- ), SoCE (Catalan Statistical Society, 2010- ), ATICA (spanish network for Computational Intelligence, 2014- ), member of PSICOST Association, past member of Catalan Society for Mathematics (1995-2005), EUSFLAT (European Society for Fuzzy Logic) and she works to disseminate Data Science, Knowledge Discovery and Data Mining techniques to Spanish and international community and to application fields like, environment, health or e-commerce.

Barcelona, January 10<sup>th</sup> 2019