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# Interpretable Statistical Machine for Decision Making: Modeling, Learning and Application Perspectives

Guest Editors:

#### Dr. Xiaojun Ban

Department of Control Science and Engineering, Harbin Institute of Technology, Harbin, China

#### Dr. Shengkun Xie

Global Management Studies, Ted Rogers School of Management, Toronto Metropolitan University, Toronto, ON M5G 2C3, Canada

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#### **Message from the Guest Editors**

Machine learning (ML) algorithms are powerful tools used in making decisions and predictions in real-world complex systems, including medical diagnoses, the spread of infectious diseases, financial modelling and insurance pricing. However, in most cases, these algorithms do not provided explanations for how they reach the results and have a barrier preventing the achievement of a broader adaptation of machine learning or, more generally, artificial intelligence (AI) technologies in decision-making problems.

This Special Issue aims to collect outstanding research papers on building statistical or computational models that can provide sufficient interpretability for decisionmaking problems. The application domains may include computational intelligence, engineering, business and economics.

Both theoretical development and applied work addressing the interpretability of models for decision making in a broader sense are welcome.

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#### Prof. Dr. Ali Cemal Benim

Center of Flow Simulation (CFS), Department of Mechanical and Process Engineering, Duesseldorf University of Applied Sciences, D-40476 Duesseldorf, Germany

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