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ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING IN BIOMEDICAL ENGINEERING: METHODS AND APPLICATIONS

Sanjay Pant* and Damiano Lombardi†
* Zienkiewicz Centre for Computational Engineering, Swansea University,
Sanjay.Pant@swansea.ac.uk, † Inria Paris & Sorbonne Universités UPMC Paris 6,
Damiano.Lombardi@inria.fr

MINI-SYMPOSIUM PROPOSAL

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In recent years, the application and development of artificial intelligence (AI) has seen a rapid rise in various research areas such as computer science/vision, natural language processing, and statistical learning. This mini-symposium invites researchers to present methods and applications, under the broad umbrella of *artificial intelligence,* to biomedical engineering and biological models. Methods ranging from classical *machine learning* to more complex *deep learning* and associated applications are welcome. Methods and applications that combine the power of both physics-based modelling and AI based models are of particular interest. The aim of this mini-symposium is to gather researchers with an interest in either methodological developments or applications to define common interests, aims, ideas, and future prospects with respect to the role of AI in medicine.