

computational intelligence for engineering pdf

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Journal of Ambient Intelligence and Humanized Computing

Home. Computational Intelligence Laboratory of Peking University was founded in 2007. Now there are five faculty members in our lab, including one academican of Chinese Academy of Engineering, two professors, one guest professor and one research fellow.

Computational Intelligence Laboratory, Peking University

Artificial intelligence (AI), sometimes called machine intelligence, is intelligence demonstrated by machines, in contrast to the natural intelligence displayed by humans and other animals. In computer science AI research is defined as the study of "intelligent agents": any device that perceives its environment and takes actions that maximize its chance of successfully achieving its goals.

Artificial intelligence - Wikipedia

Computational science and engineering (CSE) is a relatively new discipline that deals with the development and application of computational models and simulations, often coupled with high-performance computing, to solve complex physical problems arising in engineering analysis and design (computational engineering) as well as natural phenomena (computational science).

Computational science - Wikipedia

Cybernetics is concerned with describing complex interactions and interrelationships between systems which are omnipresent in our daily life. Machine Learning discovers fundamental functional relationships between variables and ensembles of variables in systems.

International Journal of Machine Learning and Cybernetics

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Engineering Applications of Artificial Intelligence

In this lecture, Prof. Winston introduces artificial intelligence and provides a brief history of the field. The last

ten minutes are devoted to information about the course at MIT.

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