

bio inspired artificial intelligence pdf

The following outline is provided as an overview of and topical guide to artificial intelligence: . Artificial intelligence (AI) is intelligence exhibited by machines or software. It is also the name of the scientific field which studies how to create computers and computer software that are capable of intelligent behaviour.

Outline of artificial intelligence - Wikipedia

Artificial Intelligence (AI) techniques are now being used by the practicing engineer to solve a whole range of hitherto intractable problems. This journal provides an international forum for rapid publication of work describing the practical application of AI methods in all branches of engineering.. Focal points of the journal include, but are not limited to innovative applications of:

Engineering Applications of Artificial Intelligence

Artificial consciousness (AC), also known as machine consciousness (MC) or synthetic consciousness (Gamez 2008; Reggia 2013), is a field related to artificial intelligence and cognitive robotics. The aim of the theory of artificial consciousness is to "Define that which would have to be synthesized were consciousness to be found in an engineered artifact" (Aleksander 1995).

Artificial consciousness - Wikipedia

The current record for a bicycle travelling across flat road is 133.78 km/h, set in 2012 by a Dutch team at the World Human Powered Speed Challenge, which takes place every year in the Nevada desert.

Artificial intelligence helps design an ultra-aerodynamic bike

Army researchers and their academic partners find artificial intelligence techniques that allows US soldiers to learn 13 times faster. Credit: US Army illustration New technology allows U.S ...

Artificial intelligence helps soldiers learn many times

JAISCR publishes high quality, innovative research results in various areas of artificial intelligence and soft computing. These areas include, but are not limited to:

JAISCR - Aims & Scope

Introduction. Welcome to Clever Algorithms! This is a handbook of recipes for computational problem solving techniques from the fields of Computational Intelligence, Biologically Inspired Computation, and Metaheuristics.

Clever Algorithms: Nature-Inspired Programming Recipes

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

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SyNAPSE is a DARPA-funded program to develop electronic neuromorphic machine technology that scales to biological levels. More simply stated, it is an attempt to build a new kind of computer with similar form and function to the mammalian brain. Such artificial brains would be used to build robots whose intelligence matches that of mice and cats.

DARPA SyNAPSE Program - Artificial Brains

The human brain is a recurrent neural network (RNN): a network of neurons with feedback connections. It can learn many behaviors / sequence processing tasks / algorithms / programs that are not learnable by traditional machine learning methods.

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