

Machine Learning and Dynamic Resource Management Platform

Track Code: 2019-KUBI-68494

Categories:

- Computer Technology

Keywords:

- Cloud Computing
- Computational Platform
- Computer Hardware
- Computer Programming
- Computer Technology
- computers
- Research Tools
- Software

Researchers at Purdue University have developed a new algorithm to monitor and control computational tasks in software programs by benchmarking software programs that cause delays or mishandle heterogeneous or cloud data. Currently, most code used for research and development tasks consumes large quantities of power, memory, and time. The resource management platform created by Purdue researchers prompts individual computer users to manually adjust computer hardware to optimize software usage, as well. In testing with existing computers, performance was improved by at least a factor of three.

Applications:

- Resource Management
- Reliable

Potential Applications:

- Research and Development
- Software

People:

- Kubis, Tillmann C (Project leader)
- Guo, Xinchun

Intellectual Property:

Application Date: March 31, 2020

Type: Utility Patent
Country of Filing: United States
Patent Number: (None)
Issue Date: (None)

Application Date: April 5, 2019
Type: Provisional-Patent
Country of Filing: United States
Patent Number: (None)
Issue Date: (None)

Application Date: (None)
Type: Copyright
Country of Filing: United States
Patent Number: (None)
Issue Date: (None)

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