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**June 23<sup>rd</sup> 2011 – NEWLY FORMED COGNIMEM TECHNOLOGIES LAUNCHES FIRST PRODUCTS**

**CogniMem Technologies launches parallel Artificial Intelligence Hardware for pattern recognition acceleration**

***CogniMem Technologies established to pursue “Cognitive Memory” hardware***

A new company named CogniMem Technologies Inc., is being launched with an initial and immediate offering of multiple products. This new company - co-founded by Anne Menendez, Guy Paillet and Bruce McCormick – will market and develop artificial intelligence hardware devices for classification and recognition. CogniMem Technologies Inc. will be run by Mr. Bruce McCormick, a former 36 year veteran of Intel Corp., and headquartered in Folsom CA. The new company’s charter is to develop components, boards and evaluation tools to apply learning machine hardware towards solving customer needs for pattern recognition- such as gaze tracking, surface inspection, event detection in cameras, gesture and face recognition and more. For further information see - [www.cognimem.com](http://www.cognimem.com).

***Product announcement CM1K – 1024 node parallel learning & recognition engine component***

CogniMem Technologies would like to announce initial production of its CM1K device (successor of ZISC technology co-developed by Guy Paillet with IBM). At the core of the CM1K is a 1024 node array that implements a fully parallel, low power, non-linear classifier/recognizer that automatically creates models for comparison based on learned examples without coding. It is an adaptive, re-trainable and general purpose (agnostic to digitized data type) learning device that runs native hardware KNN (K-Nearest Neighbor) and RCE/RBF (Restricted Coulomb Energy or Radial Basis Function) algorithms. This device can generalize and find the closest match of one 256 byte vector to 1024 stored (via real time or off-line learning) vectors in 10 usec. This device can be used in a wide range of application possibilities - from data mining, to vision systems, signal processing, predictive networks, tracking, event detection, motion control and more.

***Evaluation Tools***

The CogniMem CM1K is supported by an evaluation/development system encompassing: 1) V1KU- a vision sensor module that contains one CM1K, a CMOS sensor, FPGA for formatting/communications

and SDRAM/Flash memory that can connect directly to a PC via a USB port to provide real time image recognition and other applications development. It processes live video, but also still images and other data inputs; 2) an SDK available in C, .NET and soon with Android & Linux; and 3) IKB - an Image Knowledge Builder S/W tool that runs on the PC for developing an image knowledge base. This tool provides both a training and validation environment to build a robust knowledge base to reside in the CogniMem neurons.

CM1K 1K piece price	\$80 ea
V1KU Evaluation System (includes SDK & IKB)	\$1,700 ea

Further information see- [www.cognimem.com](http://www.cognimem.com)