Memristive Akers logic arrays (Technion)
code: COM-1619

In the coming generations of computing systems, part of the computation is envisioned to be done within memory. Current in-memory techniques suffer from bad integration between logic and memory processes. The presented invention is a hardware version of a modified Akers logic array with memristors which combines memory and logic operations, opening up opportunities for novel non-von Neumann computer architectures, while reducing power and enhancing memory bandwidth. This is especially beneficial for in-memory computing.

Contact for more information:
T3 Team ✉,   972-4-8294853
_____

T - Technion Technology Transfer
Technion City, Senate Bldg., Haifa 32000, Israel
Tel. 972-4-829-4851; 972-8325-375
Fax. 972-4-832-0845

_____

ITTN - Israel Tech Transfer Network
Yeda Research & Development Co. Ltd, P.O Box 95, Rehovot 7610002, Israel, Telephone: 972-8-9470617, Fax: 972-8-9470739

Page 1/1