



**Tuesday, January 8, 2013**

**eMinute**

# eMinute Presentation



## Speakers:

- Vladimir Gorelik, Founder, Neuronix, Inc.

# Neuronix Inc.



- Vladimir Gorelik, Founder
- Neuronix Inc.
- Address: 273 Riverside Ave, #1  
Medford, MA 02155  
Phone: 912-596-3496
- Neuronix technology helps people provide sight to machines
- Target market: Universities, Industrial/Government labs, researchers in neurophysiology and robotic autonomy
- Technology enabler for robotics developers
- Company is seeking – Seed Capital, Prototype development partners, co-founder with business skills and advisors



Neuronix \* [www.neuronix.net](http://www.neuronix.net)

## Helping people by giving sight to machines

Neuronix's founder has patented a robotics-related technology and developed a proof of concept prototype of optically Self-converging Saccade-capable Binocular Vision System - Sc<sup>2</sup>BVS. Vision is the primary sensory modality for service robots, self-driving vehicles and many other horizontal autonomous and semi-autonomous applications. However, high cost and low performance of available approaches to vision is one of the major limiting factors to the broad acceptance of service robots. Similar to human vision, both cameras of Sc<sup>2</sup>BVS remain optically converged on an object of interest regardless of the object's and camera's motions. Dynamic self-convergence drastically reduces image noise while simultaneously providing ranging information and eliminates the need for expensive processing and dedicated LIDAR-based sensors. This leads to the lowering the system cost and improving performance of 3D imaging while simplifying collision avoidance, path planning and dexterous manipulation.



Vladimir Gorelik is the founder of Neuronix who is developing the technology on his personal resources and time.

Neuronix is in the business of:

- Supplying/licensing the Sc<sup>2</sup>BVS-based vision sub-systems to various horizontal markets encompassing robotic OEMs and system integrators,
- Providing the tool to the universities and industrial/government lab researchers in the fields of neurophysiology of vision and robotic autonomy and
- Providing a low-cost version of Sc<sup>2</sup>BVS to robotic enthusiasts and hobbyists.



Neuronix is looking for: a) business co-founder with domain expertise in the field of robotics, automation and/or mechatronics product development and b) seed level funding to complete the Beta level prototype within 12 months.

Vladimir Gorelik

273 Riverside Ave. Apt 1 \* Medford, MA 02155 \* Cell: (912) 596 3496 \* [v.gorelik@neuronix.net](mailto:v.gorelik@neuronix.net)