



Standards-Based Wireless Sensor Technology that Already Works

## FOR IMMEDIATE RELEASE

*For further information please contact:*

Alex Leonov

Luxoft Labs

+7 (495) 967-8030 x4761

[ALeonov@meshnetics.com](mailto:ALeonov@meshnetics.com)

## LUXOFT LABS UNVEILS ITS NEW NES-C-BASED LANGUAGE FOR THE ZIGBEE WIRELESS SENSING APPLICATIONS

**Stanford, CA – February 10, 2006** – At the Third International TinyOS Technology Exchange, Luxoft Labs, a wireless sensing technology provider, introduced meshC, a new nesC-based language for the embedded distributed systems. MeshC boasts significant enhancements, compared to its predecessor. Its primary purpose is to facilitate the development of eZeeNet, the networking stack software, based on ZigBee protocol.

“Our goal was to create an advanced platform for software development, debugging, testing, and simulation in the Wireless Sensor Network (WSN) field,” said Yuriy Rassokhin, a leading developer at Luxoft Labs, and the meshC’s author. “At the heart of that platform is meshC, a new programming language, geared specifically towards wireless sensor applications.”

MeshC introduces some revolutionary features such as high-level algorithm optimization mechanism, advanced connection methods to wire new modules, and runtime wiring operators’ support. MeshC translator contains built-in algorithm analyzer that detects non-optimal algorithms in the meshC code, and optimizes them. The module wirings implementation is not predefined, and a developer can use any user-defined connection method to wire the modules into the application. That means that no source code modifications are needed. Overall it is highly adaptable and flexible language that meets the WSN developers’ needs.

“Luxoft Labs is focusing on developing hardware designs and networking software for the wireless data acquisition applications, and we have consistently used TinyOS, as a platform for the embedded software development,” said Dr. Alexander Belenki, Product Director of Luxoft Labs. “At Luxoft Labs, we base our long-term strategy on open standards and systems, such as TinyOS, ZigBee and OPC.”

### About Luxoft Labs - [www.meshnetics.com](http://www.meshnetics.com)



United States:  
1800 112th Ave. NE, Ste. 270-E,  
Bellevue, WA 98004-2961 USA  
Tel.: (425) 452-1001  
Fax: (707) 248-5790  
E-mail: [info@meshnetics.com](mailto:info@meshnetics.com)

Europe:  
New Gallery House  
6 Vigo Street  
London, W1S 3HF, UK  
Tel: 44 (0) 20 7434 3658  
Fax: 44 (0) 20 7439 3495  
E-mail: [info@meshnetics.com](mailto:info@meshnetics.com)

Russia:  
9 Dmitrovskoye shosse  
Moscow 127434 Russia  
Tel: 7 (495) 967-8030  
Fax: 7 (495) 967-8034  
E-mail: [info@meshnetics.com](mailto:info@meshnetics.com)



[www.MeshNetics.com](http://www.MeshNetics.com)

Founded in 2001, Luxoft Labs enables complete M2M solutions by providing wireless ad-hoc mesh-network software, integration applications, hardware design and customization services. As a technology provider, Luxoft Labs helps its partners and customers to accelerate time-to-market by creating and jointly deploying M2M solutions for industrial automation, building automation and utility monitoring and control. Luxoft Labs is a member of the ZigBee Alliance and OPC Foundation. MeshNetics™ is a registered trademark of Luxoft Labs. For more information, please visit [www.meshnetics.com](http://www.meshnetics.com)