



## Microsoft Robotics Studio and ScatterWeb .NET SDK

### Unleashing the power of wireless sensor networks

We are happy to announce the integration of ScatterWeb's multihop wireless sensor network technology in the powerful Microsoft Robotics Studio. By this integration the end user finally gets a powerful tool for controlling, programming and using state-of-the-art sensor technology.

The Microsoft Robotics Studio environment is an end-to-end, scalable and extensible robotics development platform that includes the following:

- A visual programming language that enables nonprogrammers to easily program robots using a drag-and-drop environment
- A 3-D tool that simulates robotics applications in physics-based virtual environments,
- A lightweight, services-oriented runtime that enables applications to communicate with a wide variety of hardware

ScatterWeb provides hard- and software for wireless multihop sensor networks that interacts with the real world. The ScatterWeb .NET SDK is a fresh approach to working with wireless sensor networks. It hides the complexity of embedded programming and offers easy to handle .NET objects that represent the wireless sensors. Its key features are:

- Understandable namespaces and interfaces
- Support for Intellisense and dynamic help
- Well known programming model (events, methods, properties)
- Extensibility of the nodes' logic and instant Intellisense-Update

Connecting the ScatterWeb .NET SDK with Microsoft Robotics Studio allows collecting data from wireless sensors as easy as if they were wired. In addition, the ScatterWeb modules can be extended with actors for an immediate feedback. Integration into the 3D-tool allows rapid prototyping not available in the area of wireless sensor networks before.

More information about Microsoft Robotics Studio can be found at:

<http://www.microsoft.com/robotics>

More information about ScatterWeb .NET SDK and the integration into Microsoft Robotics Studio can be found at:

<http://scatterweb.mi.fu-berlin.de>

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