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Articles and Recent findings of WSNs

Ninth European Conference on Wireless Sensor Networks to be in Trento, Italy February 15-17<sup>th</sup> 2012. Purpose is to spread new innovative ideas on topics like hardware design and implementation, operating systems, programming abstractions and tools, communication and network protocols, information and signal processing, security and fault-tolerance, prototypes, field experiments, testbeds, fundamental theoretical limits and algorithms, novel applications, cooperating objects and their applications.

([http://cordis.europa.eu/fetch?CALLER=EN\\_NEWS&ACTION=D&SESSION=&RCN=33813](http://cordis.europa.eu/fetch?CALLER=EN_NEWS&ACTION=D&SESSION=&RCN=33813))

[More information <http://ewsn12.disi.unitn.it/>]

The eighth conference was February 23-25, 2011 in Bonn, Germany

“NASA deploys MicroStrain wireless sensor network for noise safety”

<http://www.electroiq.com/articles/stm/2011/08/nasa-deploys-microstrain-wireless-sensor-network-for-noise-safety.html>

Aug 29, 2011, MicroStrain INC provided NASA with wireless sensor technology that can remotely monitor lift off acoustics and vibration while the Endeavour and Atlantis space shuttles launch. This is being done because the noise that the rockets exhaust can generate can impact ground facilities, spacecraft, and hazardous equipment.

“MicroStrain's wireless network was comprised of multiple G-Link accelerometers, a SG-Link strain node, a wireless sensor data aggregator (WSDA), and SensorCloud web-based data management platform. MicroStrain sensors gathered data, which was then used in corroborating prediction models.” Nasa engineers quantified the acoustic levels one mile from the launch site. Engineers could then make math models for far field acoustics. This project is to improve reliability and safety of equipment and structures and predict failure of ground structures, spacecraft and equipment. The system operated for 48 hours where it then produced a little bit over 3 gb of data.