

Endress+Hauser scientist Sherry Liu received ISA award

The award recognizes outstanding achievements in improving gas analysis at Endress+Hauser company SpectraSensors

Sherry Liu, director of research and development and principal scientist at SpectraSensors, Inc., has received the International Society of Automation (ISA) Award for Excellence in Analytical Innovation. The scientist significantly refined gas analysis based on Tunable Diode Laser Absorption Spectroscopy (TDLAS), and developed a series of TDLAS based gas analysis solutions for natural gas and petrochemical applications.

The non-profit technical society ISA is one of the foremost professional organizations in the world for setting standards and educating industry professionals in automation. The purpose of the award is to recognize an individual who has played a critical role in the conception, design, or implementation of an innovative product, process or service in the analytical technology field. The award presentation was made on 10 November 2014 at the annual ISA Honors and Awards Gala at the Arvest Bank theatre at the Midland in Kansas City, Missouri.

Sherry Liu's numerous innovations for Endress+Hauser SpectraSensors include TDLAS based pressure invariant detection, multi-peak background compensation, differential spectroscopy, self-calibration, calibration state reconstruction, virtual frequency lock, energy meter, and collisional broadening compensation. She has also had 26 US and international patents issued, and more than 30 patents pending. "I deeply appreciate the very welcome and nurturing environment ISA has created for young professionals like me," said the 39 year old scientist at the award ceremony. "I would also like to thank my employer for all the support shown to me since my career began in 2006."



Endress_Hauser_Spectra_Award.jpg

Award winner Sherry Liu, director of research and development and principal scientist of Endress+Hauser company SpectraSensors, with ISA president Peggie Koon(left) and ISA analysis division director Don Nettles (right).

SpectraSensors

SpectraSensors is a leading manufacturer of optically based moisture analyzers and H₂S analyzers for analytical process markets. The company uses Tunable Diode Lasers Absorption Spectroscopy (TDLAS) in a host of products such as Ambient Air Monitoring Analyzers, Moisture Analyzers (Hygrometers) and Gas Analyzers for Natural Gas Pipelines and Processors, Refineries and Petrochemical Companies. Since 2012, SpectraSensors has been a company of the Endress+Hauser Group. SpectraSensors Gas Analyzers measure: Moisture (H₂O), Carbon Dioxide (CO₂), Hydrogen Sulfide (H₂S), Ammonia (NH₃), Acetylene (C₂H₂), Oxygen (O₂), and more.

For further information, please visit www.spectrasensors.com

The Endress+Hauser Group

Endress+Hauser is a global leader in measurement instrumentation, services and solutions for industrial process engineering. The Group employs 12,000 personnel across the globe, generating net sales of 1.8 billion euros in 2013.

Structure

With dedicated sales centers and a strong network of partners, Endress+Hauser guarantees competent worldwide support. Our production centers in 11 countries meet customers' needs and requirements quickly and effectively. The Group is managed and coordinated by a holding company in Reinach, Switzerland. As a successful family-owned business, Endress+Hauser is set for continued independence and self-reliance.

Products

Endress+Hauser provides sensors, instruments, systems and services for level, flow, pressure and temperature measurement as well as analytics and data acquisition. The company supports customers with automation engineering, logistics and IT services and solutions. Our products set standards in quality and technology.

Industries

We work closely with the chemical, petrochemical, food & beverage, oil & gas, water & wastewater, power & energy, life science, primaries & metal, renewable energies, pulp & paper and shipbuilding industries. Endress+Hauser supports its customers in optimizing their processes in terms of reliability, safety, economic efficiency and environmental impact.

History

Founded in 1953 by Georg H Endress and Ludwig Hauser, Endress+Hauser has been solely owned by the Endress family since 1975. The Group has developed from a specialist in level measurement to a provider of complete solutions for industrial measuring technology and automation, with constant expansion into new territories and markets.

For further information, please visit www.press.endress.com or www.endress.com

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