



Mantova, Italy, April 03, 2017 - **Opto Engineering®** • **OPTICAL IMAGING TECHNOLOGIES**, announced today that its **ALBERT®** was recognized by the judges of the annual **Vision Systems Design Innovators Awards program**. The judging panel consisted of esteemed experts from system integrator and end-user companies.

## ALBERT® WAS HONORED WITH A BRONZE-LEVEL AWARD

To meet the specific needs of the food industry Opto Engineering in cooperation with its Italian partner Sensure has applied neural networks technology to machine vision and developed an innovative and easy to use vision system that learns from examples as humans do: unlike traditional inspection systems, it can be quickly re-trained to sort a new product or adapted to a new batch of ingredients.

The system, named ALBERT® is essentially a self-learning vision system for shape and color inspection, based on artificial intelligence techniques (a combined approach between statistics and neural networks technology).

The core software is based on neural networks, software algorithms that mimic the human brain: vision systems based on these algorithms can learn from examples

and are adaptive, i.e. they can be easily tailored to inspect new products.

Thanks to a set of built-in features and its self-learning ability, ALBERT® learns the characteristics of food products directly from the production line on a standard batch of products without complicated settings.

*“This prestigious program allows Vision Systems Design to celebrate and recognize the most innovative products and services in the vision and image processing industry. Our 2017 Honorees are an outstanding example of companies who are making an impact in the industry.”*

Alan Bergstein, Vision Systems Design Group Publisher

### The Innovators Awards are judged based on the following criteria:

- Originality
- Innovation
- Impact on Designers, Systems Integrators, End Users
- Fulfilling a need in the market that hasn't been addressed
- Leveraging a novel technology



The 2017 Vision Systems Design Innovators Awards Honorees are featured in the June Issue of Vision Systems Design magazine as well as on vision-systems.com.

#### About Vision Systems Design

Published since 1996, Vision Systems Design is a global resource for engineers, engineering managers and systems integrators that provides comprehensive global coverage of vision systems technologies, applications, and markets.

Vision Systems Design's magazine, website ([www.vision-systems.com](http://www.vision-systems.com)), email newsletters and webcasts report on and analyze the latest technology and business developments and trends in the worldwide machine vision and image processing industry.

#### About The Vision Systems Design 2017 Innovators Awards program

The Vision Systems Design 2017 Innovators Awards program reviewed and recognized the most innovative products and services in the vision and image processing industry.

Honorees were announced at Automate 2017 held in Chicago, IL, USA. Criteria used in the Innovators Awards ranking included: originality, innovation; impact on designers, systems integrators and end-users; fulfilling a need in the market that hasn't been addressed, leveraging a novel technology, and increasing productivity.