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Puck in Hand, Velodyne LiDAR to Return to sUSB Expo at Fort Mason

Juchmann to Present at Small Unmanned Systems Business Exposition, 'The Silicon Valley Drone Show,' on April 30

MORGAN HILL, Calif. (PRWEB) April 29, 2015

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Making its third consecutive appearance, Velodyne LiDAR will be on hand during this week's Small Unmanned Systems Business Exposition (http://susbexpo.com/) at San Francisco's Fort Mason, brandishing one of the hottest technologies in the UAV market – its VLP-16 LiDAR Puck.

WHO: Wolfgang Juchmann, PhD., Director, Sales and Marketing, Velodyne LiDAR.
Juchmann has more than 15 years of international experience in technical sales, product management, and marketing of industrial lasers and optical products for a variety of applications. The combination of Juchmann's technical background, commercial experiences, and his passion for customer satisfaction are unique factors that enable him to profitably lead new product developments for Velodyne's LiDAR division, as well as manage existing product portfolios with an intimate awareness for the customer's expectations. Juchmann earned his Ph.D. in Laser Spectroscopy of combustion flames and thin-film deposition plasmas from the University of Heidelberg, Germany.

Velodyne LiDAR Puck with carbon fiber parts by XactSense.com

At sUSB Expo, Juchmann will do a show & tell featuring the Velodyne LiDAR Puck, the VLP-16. The Puck is expanding the use of 3D LiDAR (Light Detection and Ranging) technology sensors in unmanned aerial vehicles, robotics, and factory automation applications. The new 16-channel, real-time LiDAR sensor is substantially smaller than anything else on the market and establishes a new standard for affordability. It has quickly become the performance-to-price leader, achieving 16 channels of LiDAR data with 300,000 measurements per second, for only $7,999.

"Under the guidance of Patrick Egan, sUSB Expo has become a preeminent show in the UAV market, " says Juchmann. "We're delighted to be back for our third year. There's a great deal of interest in the UAV market generally and in the Velodyne Puck class of product specifically. What's new isn't simply recording data with the sensor but using real-time, 3D LIDAR sensors to actually help avoid collisions – in the air, to stay clear of other UAVs, and likewise on the ground, to find a suitable landing site when faced with the unknown, in a military hot zone or an area in the wilderness."

WHAT: Small Unmanned Systems Business Exposition (sUSB).
sUSB Expo is organized by sUAS News, the world's leading unmanned aviation news website. sUAS News, the only independent RPAS news source on the Internet, is managed by unmanned aircraft pilots and constructors for unmanned aircraft pilots and constructors. This year's workshop subjects include mapping, search and rescue, and aerial photography, and are hosted by professionals in the unmanned and remote sensing field. Workshop attendees will get insights and highlights of procedures and workflows honed from years of real world, in the field experience.

WHEN: April 29-May 1; Velodyne's Wolfgang Juchmann will speak at 9:40 a.m. on Thursday, May 30

WHERE: Fort Mason, San Francisco
Space is limited; for information, email Veronica(at)suasnews(dot)com

About Velodyne LiDAR
Founded in 1983 and based in California's Silicon Valley, Velodyne Acoustics, Inc. is a diversified technology company known worldwide for its high-performance audio equipment and real-time LiDAR sensors. The company's LiDAR division evolved after founder and inventor David Hall competed in the 2004-05 DARPA Grand Challenge using stereovision technology. Based on his experience during this challenge, Hall recognized the limitations of stereovision and developed the HDL64 high-resolution LiDAR sensor. Velodyne subsequently released its compact, lightweight HDL 32E sensor, available for many applications including UAVs, and the new VLP-16 LiDAR Puck, a 16-channel real-time LiDAR sensor that is both substantially smaller and dramatically less expensive than previous generation sensors. Since 2007, Velodyne's LiDAR division has emerged as a leading developer, manufacturer and supplier of real-time LiDAR sensor technology used in a variety of commercial applications including autonomous vehicles, vehicle safety systems, 3D mobile mapping, 3D aerial mapping and security. For more information, visit http://www.velodynelidar.com. For the latest information on new products and to receive Velodyne's newsletter, register here.

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Attachments

UAV from True Reality Geospatial Solutions, LLC, a Merced company founded by UC faculty

XactSense: Lightweight UAV system with VLP-16 for airborne 3D LiDAR measurements

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