

MTS Announces Annual Award Recipients *Top Recognitions Presented at MTS Annual Meeting*

(September 26, 2014, Washington, DC) The Marine Technology Society is pleased to announce the honors and recognitions it awarded at its Annual Meeting and Awards Presentation held at OCEANS' 14 MTS/IEEE St. John's in September 2014. Among the top awards presented were those sponsored by Compass Publications, Lockheed Martin and Ocean News and Technology.

The **Compass (Publications) Distinguished Achievement Award** was presented to **Bjørn Jalving**. Throughout his career, Jalving has been on the cutting edge of advancing autonomous underwater vehicle (AUV) research, first as a scientist, then through direct involvement in the design, engineering and commercialization. Jalving developed the HUGIN AUV control and mission management system and was heavily involved in AUV system design, as well as applying and verifying the use of AUVs in new applications, such as detailed seabed mapping, naval mine hunting (MCM) and marine research. He was responsible for the team that designed and implemented the HUGIN aided inertial navigation system. Jalving is currently Vice President of the AUV department of Kongsberg Maritime. He has published and co-authored more than 30 publications. In addition to his recognition by Compass Publications, Jalving was awarded a watch from Rolex Watch, who has been a part of this award for 40 years.

The **Compass (Publications) International Award** honored **Kongsberg Maritime Embient** for their many contributions to the advancement of marine science and technology. A wholly owned subsidiary of Kongsberg Maritime, Kongsberg Maritime Embient focuses on the development and engineering of intelligent monitoring systems, bringing together the latest expertise from the scientific forefront with industry proven concepts and latest available technology. In 2014, Kongsberg Maritime Embient has met the challenges of early leak detection on subsea oil and gas structures with the development of the Subsea Monitoring-Network. Advanced data processing and power management strategies ensure its ability to deliver critical sensor data continuously and on subsea oil and gas fields of all types and scales.

The **Compass (Publications) Industrial Award** recognized **RBR, LTD**, honoring their rich heritage of research and development. Competitive and innovative, RBR's current products include submersible data loggers for CTD turbidity, fluorescence, dissolved oxygen, pH/ORP, PAR and other sensors, thermistor chains, tide gauges, and wave gauges. Their field instruments are all built on a modular platform to allow rapid custom configuration to meet individual needs. Key to their success is their strong customer collaboration component in research and development, essential to achieving a range of instruments tailored to the requirements and budget of each.

The **Lockheed Martin Award for Ocean Science and Engineering** was presented to **Francis Rowe**, in recognition of his tremendous work in Doppler technology. In 1979 he developed the first commercial Acoustic Doppler Current Profiler for remote measurement of vertical profiles of 3-axis currents. In 1981 he co-founded RD Instruments, serving as President for 24 years. RD Instruments grew from 2 to 200 employees, leading the industry in ADCP technology and product sales. Numerous new technologies and patents were developed for a product line of ADCPs measuring current profiles in ranges up to 1000 meters. These revolutionary devices are now everyday tools in numerous scientific and engineering application areas. The industry-famous Broadband ADCP represents the industry standard for current profiling accuracy and precision. Rowe currently works with his two sons at Rowe Technologies, developing high technology ADCPs and imaging sonars.

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The **Ocean News and Technology Award** recognizes a member of our 'Next Generation' who has already demonstrated excellence in their profession and made significant contributions to MTS. **The award recognized Michael Lombardi**, who was also awarded \$1000. As a diving contractor and technologist by trade, Michael has spent more than 6000 hours underwater, principally as a 'mud diver' for inshore construction tasks. His early career included serving as Diving Safety Officer for NOAA's Caribbean Marine Research Center, where he took a leading role in developing and implementing novel techniques for mixed-gas diving for science. His ongoing program development efforts in deep human scientific exploration have since resulted in multiple funding awards through the National Geographic Society's Waitt Grants Program. Last year he partnered with the J.F. White Contracting Company for project development work using the newly developed Nuytco Research ExoSuit Atmospheric Diving System.

The highest accolade a member can receive within MTS is to be designated an **MTS Fellow**. Two members, **Karen Kohanowich** and **William Kohnen**, were recognized at the MTS Annual Meeting. Kohanowich's career has spanned a spectrum of maritime operations, science and policy. Currently NOAA Acting Deputy Director/Marine Technology Program Office, she has also served as chair of NOAA's AUV working group. She has served the Secretary of the Navy – Environment, and Chief of Naval Operations as the Ocean Resources and International Program Officer, and was Meteorology and Oceanography Executive Officer with the U.S. Navy Pacific Meteorology/Oceanography Facility at the Naval Postgraduate School. As program Officer for the Aquarius Undersea Laboratory, Kohanowich was instrumental in the transfer of ownership from NOAA to the Florida International University.

Fellow William Kohnen's experience ranges from outer space to the depths of the oceans, including motor design and electro-mechanical precision systems for satellites, including the Hubble, SOHO, Cassini and the Space Station. In 1993 he was the co-founder and CEO of SeaMagine, a company that designs, builds and markets a series of manned submersibles. For over 2 decades SeaMagine has been considered one of the leading innovators in the field. He has advised the National Science Foundation on questions relating to manned submersibles and assisted the U.S. Coast Guard in the development of rules and regulations for submersible operations. Kohnen has served as the long-time chair of MTS' Manned Underwater Vehicles Committee, and his vehicle-themed program at Underwater Intervention Conference has become one of the 'go-to' meetings for the global manned submersible community.

Also honored at the Annual Meeting was **Oceaneering International, recognized with the MTS Outstanding Service Award**. Oceaneering has been a proud supporter of MTS for many years, as a sponsor of many activities. The company provides key, hands-on involvement with the ROV Committee in support of the annual Underwater Intervention Conference, including numerous technical presentations from their personnel. Oceaneering also sponsors and is host for the very well known and popular annual Symposium and Crab Feast for the D.C. Section.

The **MTS Ocean Pollution Committee, chaired by MTS members Daniel Esser and Ryan Morton was recognized as Outstanding MTS Committee**. This past year the Ocean Pollution Committee embarked on a new program — The MTS Subsea Leak Detection Symposium. Planning took a year, but proved to be a highly successful event. This workshop brought together 100 people from around the world to Houston to discuss the 'state of technology' in subsea leak detection. During the event participants explored innovative strategies in the field of early leak detection in subsea structures and pipelines, and defined ways this technology can assist in risk mitigation. The Ocean Pollution committee is producing a special issue of the *MTS Journal* as a follow up to this workshop.

The **MTS San Diego Section was recognized as Outstanding MTS Section** for their exceptional OCEANS' 13 Conference, organized and coordinated in addition to the Section's regular activities. The MTS San Diego Section is well-known for their many outstanding education and networking events held throughout the year, including a Summer Swing Golf Event, a picnic for members, family and friends, and monthly dinner meetings that keep members up-to-date on science and technology. The Section also organizes an outstanding internship program designed to give students an opportunity to gain valuable professional experience at work in the industry.

The Alpena Community College Student Section was recognized with the Outstanding Student Section award. Founded in 2013, the Section's has focused on promoting the education of Marine Technology and maritime history. The section has already hosted several ROV workshops for young students in the local school system, striving to create interest and enthusiasm for oceanology. They have played an active role in promoting the 13th Annual MATE International competition, which took place at the Thunder Bay National Marine Sanctuary in Alpena. The activities and enthusiasm of the student members led their faculty advisor, David Cummins, to start the Great Lakes Section for professionals in the region.

The Marine Technology Society is a non-profit international community of ocean engineers, technologists, policy-makers and educators that provides the ocean community with forums for the exchange of information and ideas through its peer-reviewed *MTS Journal*, conferences, newsletters and Web site (www.mtsociety.org).

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