

Danko van der Laan Receives 2014 Boom Award

The CSA Roger W. Boom Award was presented to Dr. Danko van der Laan, president, Advanced Conductor Technologies, LLC, during the August 11 awards ceremony at the Applied Superconductivity Conference in Charlotte NC. It was presented by Dr. Terry Grimm, Niowave, Inc., himself a former Boom awardee and now chair of the CSA Boom awards committee.

The award is named for the emeritus professor from the University of Wisconsin-Madison whose career spanned more than 30 years, during which he motivated a large number of young scientists and engineers to pursue careers in cryogenic engineering and applied superconductivity. It is given bi-annually to a young professional under 40 years of age who shows promise for making significant contributions to the fields of cryogenic engineering and applied superconductivity.

The award honored van der Laan's "mix of strengths that are expected to make him one of the key leaders of Applied Superconductivity of his generation. An independent thinker, he is fully pre-

pared to consider the very practical and the very fundamental aspects of superconducting devices. His work was technologically impactful but scientifically driven."



Roger W. Boom

an industrial scale at his own company, Advanced Conductor Technologies, developing cables for high-field magnets and high-density power transmission. These CORC conductors are expected to be of major importance for future large-scale superconducting magnet systems. He is also leading a team at the University of Colorado/NIST to develop the

Van der Laan's fundamental work resulted in a highly practical outcome in the Conductor-on-Round-Core (CORC) cable implantation of a coated conductor, which technology he then moved to

measurement infrastructure and perform the research on YBCO coated conductors and CORC cables needed for magnet applications in high energy physics.

Previous Roger W. Boom Awardees

- Dr. Christopher M. Rey, Energy to Power (E2P) Solutions
- Prof. Justin Schwartz, North Carolina State University
- Dr. Chao Wang, Cryomech, Inc.
- Dr. Franz J. Baudenbacher, Vanderbilt University
- Dr. Terry L. Grimm, Niowave, Inc.
- Dr. Jeffrey Parrell, Oxford Instruments Superconductivity
- Prof. Gregory Nellis, University of Wisconsin-Madison
- Prof. Philippe J. Masson, University of Houston, Texas Center for Superconductivity
- Dr. Joel Ullom, National Institute of Standards and Technology, Boulder



Current and past winners of the CSA Roger W. Boom Award attended the IEEE CSC awards luncheon. From left, Rob McKenzie, representing the Boom family, who has funded the endowment for the award; Werner K. Huget, CSA registered agent; Justin Schwartz, 1998; Danko van der Laan, 2014; Philippe Masson, 2010; Terry Grimm, 2004; Christopher Rey, 1996; and CSA Executive Director Laurie Huget. Image: IEEE Council on Superconductivity