**Three-Part Webinar Series on the Advantages, Construction, and Design of MicroGroove Heat Exchangers Now Accessible Online**

*OTS-ICA Webinars Are a Key Component of the Outreach Program*

**New York, New York (26 July 2017)** – The International Copper Association, Inc. (ICA) and Optimized Thermal Systems, Inc. (OTS) today announced the online accessibility of three technical webinars and slideshows that were the key components of the OTS-ICA technology outreach program.

The three webinars, which were presented in Spring of 2017, provide an in-depth exploration of MicroGroove technology. Segments include 1) the science behind the advantages of smaller diameter copper tube-fin heat exchangers; 2) the manufacturing technology for the construction of RTPF heat exchangers; and 3) effective design practices, including use of simulation software tools for the design of heat exchangers using smaller diameter copper tubes.

The three webinars were presented by leading experts in the field:

1. Daniel Bacellar and Dennis Nasuta of Optimized Thermal Systems, Inc. together focus on “Advantages of Small Diameter Copper Tube-Fin Heat Exchangers” in the first webinar.
2. Rocky Smith, Product Manager, Coil Production, for Burr OAK Tool, Inc.; Yoram Shabtay, President, Heat Transfer Technologies, LLC; and Daniel Bacellar of Optimized Thermal Systems, Inc. discuss the “Construction of Small Diameter Copper Tube Fin Heat Exchangers” in the second webinar.
3. Dennis Nasuta & Daniel Bacellar cover the “Effective Design of Small-Diameter Copper Tube-Fin Heat Exchangers” in the third webinar.

The webinars and slideshows can be accessed via microgroove.net by selecting OTS-ICA from the menu on the home page.

[www.microgroove.net/ots-ica-educational-outreach](http://www.microgroove.net/ots-ica-educational-outreach)

Anyone can view the webinars and download the slideshows with no registration required. Interested parties are also encouraged to enroll in the OTS-ICA program, which is aimed at engineering students, academic researchers and industry professionals who would like to learn more about MicroGroove technology, a key component for ecofriendly HVAC&R applications.

Viewing the three webinars and completing a survey for each is a prerequisite to gain access to the demonstration and trial versions of CoilDesigner®, software developed by the University of Maryland’s Center for Environmental Energy Engineering (CEEE).

CoilDesigner is a proprietary tool for air-to-refrigerant heat exchanger modeling and simulation. Correlations in CoilDesigner allow users to explore the performance of tube-fin heat exchangers with small diameters.

Interested participants can also request a sample 5-mm heat exchanger for use in instruction or for laboratory testing. Participants who conduct performance tests in their own facilities will be encouraged to share their findings. See the registration OTS-ICA registration page, or contact OTS directly at [info@optimizedthermalsystems.com](mailto:info@optimizedthermalsystems.com).

The purpose of this hands-on introduction to MGHX technology is to engage people from various institutions and different backgrounds and encourage them to collaborate in advancing the state-of-the-art of round tube, plate fin (RTPF) heat exchangers. Participants will learn how MicroGroove heat exchangers in HVAC&R equipment contribute to sustainable development of the global built environment.

For more information about MicroGroove Technology, visit [www.microgroove.net](http://www.microgroove.net). Join the MicroGroove Group on LinkedIn to share your ideas about research directions and product development. [www.linkedin.com/groups/Microgroove-4498690](http://www.linkedin.com/groups/Microgroove-4498690).

**About ICA**

The International Copper Association, Ltd. (ICA) is the leading organization for promoting the use of copper worldwide. ICA’s mission is to promote the use of copper by communicating the unique attributes that make this sustainable element an essential contributor to the formation of life, to advances in science and technology, and to a higher standard of living worldwide. Visit [www.copperinfo.com](http://www.copperinfo.com) for more information about ICA.

**About OTS**

Optimized Thermal Systems, Inc. offers customized software and services for the design and optimization of thermal systems. The OTS mission is to free engineers to do what they do best: create and innovate! It is accomplished by providing advanced software solutions, consulting services, and physical performance measurement and validation for a variety of HVAC&R components, systems and technologies. Visit [www.optimizedthermalsystems.com](http://www.optimizedthermalsystems.com) for additional information.

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