**MicroGroove Research on Heat Pumps Ready for Presentation at the IEA Heat Pump Conference, Says International Copper Association**

*New Q&A Brochure Underscores the Use of MicroGroove Technology in Heat Pump Designs*

**Montreal, Quebec (May 12, 2014)** – As the number of applications for MicroGroove Technology continues to grow, so too does the need for research to guide engineers in the design of industry-first products.

At the Eleventh International Energy Agency Heat Pump Conference (IEA HPC) in Montreal, Canada, a technical paper titled “Experimental investigation and structure optimization of distributors used in heat pump air conditioner with microgroove tubes” will be presented by Professor Guoliang Ding, who is from the Institute of Refrigeration and Cryogenics, Shanghai Jiao Tong University. Coauthors of this paper include several members of the technical staff at ICA China.

The paper describes how to optimize the coil design to allow for additional branch circuits in the design of heat pumps with smaller diameter copper tubes. MicroGroove Technology also will be on display in the exhibitor space and an informative new brochure titled “MicroGroove Technology for Heat Pumps: Questions and Answers” will be distributed at the conference.

Heat pump technology has taken great strides both in terms of technology development and market acceptance. The efficiency of heat pumps compared to other approaches to heating has earned the technology a place in the minds of policy-makers intent on reducing carbon dioxide emissions by increasing the energy efficiency of systems for air conditioning, refrigeration and heating.

“The same advantages that apply to air-conditioners and refrigeration equipment also apply to the evaporator and condenser coils used in residential heat pumps,” says Nigel Cotton, MicroGroove Team Leader for the International Copper Association. “That includes hot-water heat pumps as well as heat pumps that are used to heat indoor spaces.

For more information about the use of MicroGroove in heat pump designs, visit [www.microgroove.net/heat-pumps](http://www.microgroove.net/heat-pumps)

**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.

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