



Four awardees recognized in the 2017 Rittinger Award

In a ceremony held at the conference banquet at the 12th IEA Heat Pump Conference in Rotterdam, the Netherlands, Professor Eckhard A Groll, Professor Alberto Cavallini, ORNL Building Equipment Team and Professor Per Lundqvist were given the prestigious Ritter von Rittinger Medal, the highest international award in the air conditioning, heat pump and refrigeration field.

The award highlights outstanding contributions to the advancement of international collaboration in research, policy and market development and applications for energy-efficient heat pumping technologies that result in environmental benefits. It is awarded every three years in conjunction with the International IEA Heat Pump Conference. Mr. Stephan Renz, Chair of the Executive Committee of IEA Technology Collaboration Programme of Heat Pumping Technologies (IEA HPT TCP), presented the awardees:

“It is my great pleasure to recognize these dignified gentlemen and this team and honour them with the most prestigious prize in the field of heat pumping technologies”, said Mr. Stephan Renz during the ceremony. “Our award winners are undoubtedly the most influential individuals also in the history of IEA HPT TCP.”

Prof. Eckhard A Groll, Reilly Professor of Mechanical Engineering at Purdue University, USA, teaches technical thermodynamics. His research focuses on the fundamental thermal sciences as applied to advanced energy conversion systems, components, compressors and their working fluids. His research efforts involve the development of experimental facilities to conduct performance testing, and the creation of detailed system or component models for analyses and optimization. Prof. Groll was recognized for his exceptional achievements and leadership in all three aspects of the faculty profession of research, teaching and service.

Prof. Alberto Cavallini is Professor Emeritus and former full professor of Energy Science with the Engineering School of the University of Padova, Italy. Prof. Cavallini was highlighted for his research and publications in the field of heat pumps, air conditioning and renewable energy systems. During his career, he has published more than 300 scientific and technical papers and books, and is also a member of the advisory board of the *International Journal of Refrigeration*, one of the European editors of the *International Journal of Transport Phenomena* and former associate editor of the *International Journal of HVAC&R Research*.

ORNL Building Equipment Team (ORNL BERG), Oak Ridge National Laboratory, USA, was recognized for their contribution to the development of high efficiency heat pumps of all types, including electric, sorption, gas-fired, cold climate and ground-coupled for over 40 years. They have won numerous awards and been recognized for their groundbreaking research, which has included modeling (ORNL Heat Pump Design Model; used by manufacturers and academia), design, development, demonstration, and market introduction. In addition, the ORNL BERG has since the 1980's been very active in the IEA's Technology Collaboration Programme on Heat Pumping Technologies (HPT TCP).



Prof. Per Lundqvist, Professor at KTH Royal Institute of Technology, Sweden was awarded for his international impact in the realm of heat pump development, which maintains a multifaceted approach to the technology's advancement, focusing both on market dynamics and technical progress. In addition, he is also co-author of the Inter-governmental Report on Climate Change (IPCC) on the influence of refrigerants on the global climate.

About the Peter Ritter von Rittinger International Heat Pump Award

The Rittinger award is named after Peter Ritter von Rittinger, the Austrian engineer who designed and installed the first known heat pump in 1855. The award celebrates the technical skills and entrepreneurial spirit of Rittinger that is shared by the award winners.

IEA Technology Collaboration Programme on Heat Pumping Technologies and Heat Pump Centre

The IEA Technology Collaboration Programme on Heat Pumping Technologies (HPT TCP) is a non-profit organisation under which the participants cooperate in projects in the field of heat pumps and related heat pumping technologies such as air conditioning, refrigeration and working fluids (refrigerants). HPT TCP operates under the International Energy Agency (IEA) and was founded in 1978. The current member countries are Austria, Canada, Finland, France, Italy, Germany, Japan, the Netherlands, Norway, South Korea, Sweden, Switzerland, United Kingdom and the United States.

HPT TCP carries out a strategy to accelerate the use of heat pumps in all applications where they can reduce energy consumption for the benefit of the environment. The Heat Pump Centre (HPC) is the international information service of the HPT TCP. HPC links people and organisations worldwide in support of heat pump technology.

Read more: www.heatpumpingtechnologies.org