

Call for Papers Deutsche Kaelte- und Klimatagung 2024 22. – 24. November 2024 Dresden

If you are interested to present a paper to one of the following topics, please submit an abstract. The criteria are:

Abstract maximum ½ DIN A4 page Deadline April 30, 2024

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Commission 1 Cryogenics

Chair: Prof. Dr. rer. nat. Christoph Haberstroh

- Large-scale cryogenic systems and condensers
- Cryogenic cooling for superconductivity
- Cryogenic technology in basic research
- Cryogenic energy sources (LNG; liquid hydrogen)
- Cryostats, Dewar vessels, transfer lines
- Cryogenic applications in biology and medicine
- Cryocooler; measurement technology
- Fluid data and materials
- New concepts and systems

Commission 2 Fundamentals

Chair: Prof. Dr.-Ing. Stephan Kabelac

- Efficiency measures to reduce CO2 emissions (TEWI)
- Material data
- Heat and mass transfer
- Solar cooling
- Thermal energy storage
- CHP (combined heat, power and cooling)
- Alternative processes, ORC (Organic Rankine Cycle), waste and adsorption processes
- Process simulation and control

Commission 3 Application and Components
Chair: Dipl.-Ing. (FH) Michael Hendriks

- Development of components and assemblies for compression, heat transfer, expansion
- Application of refrigerants, refrigeration machine oils, cooling and heat transfer media
- Control, regulation and safety technology
- Reduction of noise, vibrations, corrosion

Deutsche Kälteund Klimatagung Deutscher Kälte- und Klimatechnischer Verein

- Innovative system concepts and operating methods to increase energy and resource efficiency and product quality
- Life cycle costs of components and systems
- Protective measures against fire and explosion hazards

Commission 4 Refrigeration Applications

Chair: N.N.

Stationary Household

Industry, Commercial and Research

Food: Production, distribution, storage and trading

Supermarket Heat recovery

Efficiency and optimization

Special applications

Mobile refrigeration applications Transport refrigeration: lorry, container, ship

Automobile air conditioning: car, bus, lorry, train, ship

Thermal management for electric vehicles

Commission 5 Air conditioning

Chair: N.N.

Cooling in residential buildings

- Indoor air flows, IAQ and comfort
- Energy-efficient system technology (construction and operation)
- Standards and legal framework conditions

Commission 6 Heat pump application

Chair: Prof. Dr.-Ing. Christiane Thomas

- Heat pump application for residential buildings, trade and industry
- Heat pump solutions for apartment buildings
- High-temperature and industrial heat pumps
- Energy-efficient system technology (construction and operation)
- Solutions for refurbishment of existing systems and in existing buildings
- Digitalization in the cooling and heating sector
- Heat pumps in the smart grid, load shifting and flexibilization
- Standards and legal framework conditions

Conference fee for authors

	DKV-Member	Non-Member
Fee for authors	330,00 €	380,00€