

Call for Papers
Deutsche Kälte- und Klimatagung 2025
19. – 21. November 2024
Magdeburg

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, 2025
Address	DKV-Geschäftsstelle info@dkv.org Theodorstrasse 10, D-30159 Hannover Phone: +49 511 897 0814

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

- 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: Dr.-Ing. Nicholas Lemke

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: Dipl.-Ing. (FH) Christian Friebe

- Ventilation, cooling and air conditioning in residential and non-residential buildings
- Active or passive system solutions for heating/cooling or humidification/dehumidification
- Energy storage; load shifting / load management
- Indoor air flows, IAQ, comfort and acoustics
- Energy-efficient and sustainable system and component technology
- System planning, commissioning and monitoring Sustainability, resource conservation, 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	370,00 €	440,00 €