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**Education:** M.Sc. in mechanical engineering and Industrial Ph.D. in indoor climate. **Scientific field:** Mechanical engineering, special focus on indoor climate, health, human requirements, sensory perception, building physics, heating, ventilation and air conditioning, semivolatile organic compounds, mold growth. **Key qualifications:** The starting point of Lars Gunnarsen's career was a strong engagement in the improvement of the indoor climate in homes, offices and schools. Initially as a professional consultant, he designed building service installations and struggled with rudimentary indicators of human needs inside buildings. The lack of design criteria and methods to rationally select construction products sparked Lars's keen interest in creating research-based knowledge enabling the production and maintenance of inspiring, productive, comfortable and healthy indoor climates. The relevance and due attention to impact on environment, energy use and expenditures is obvious in his applied research. Special focus points are development of assessment methods for indoor air quality, characterization of air pollution sources and the impact on man of exposures indoors. He has special qualifications in research management, sensory perception, moisture problems, chemicals and particles in indoor air, human requirements for comfort and international collaboration. He has spent two and a half years in the Philippines managing two participatory research projects on indoor climate supported by Danida. **Positions of trust:** Lars has participated in several international research projects financed by the European Union. His memberships include the expert group "Dangerous substances" of the Commission of the European Union, the international scientific committees of the recent Healthy Buildings and Indoor Air conferences, the Scientific Council for Environment and Health of the Danish National Board of Health, the preparatory group "The Built Environment" of the Swedish research council Formas, the board of Danvak aps, the board of the Danish Association VVS Teknisk Forening, the Technology and Research Committee of Federation of European Heating, Ventilation and Air Conditioning Associations (REHVA), the steering group of Centre for Indoor air and Health in Dwellings (Cisbo) supported by Realdania and the advisory board for indoor climate of Realdania.