

CLIMA 2022 conference papers on the theme HEALTH & COMFORT

Twenty CLIMA 2022 papers have been acknowledged as high ranking on the theme HEALTH & COMFORT.

Ten are included in this issue:

Evaluation of preventive measures in mitigating the risk of airborne infection of COVID-19

Yunus Emre Cetin, Martin Kriegel

Aerosol transmission in rotary wheel heat exchangers

Heinrich Huber, Thomas Richter, Florian Brzezinski, Michael Riediker

Development of a non-contact modular screening clinic (NCMSC) for COVID-19

Jinkyun Cho, Jinho Kim, Jongwoon Song, Seungmin Jang

Thermal inactivation of the corona virus (SARS-CoV-2) in air volumes

André Schlott, Thomas Hutsch, Eileen Sauer, Jens Wetschky, Jana Hessel, Susanne Bailer, John Laubert, Stefan Lösch

Health and energy assessment of a demand controlled mechanical extraction ventilation system

Janneke Ghijsels, Klaas De Jonge, Jelle Laverge

Low-temperature radiant cooling panel for hot and humid climate

Gongsheng Huang, Nan Zhang, Yuying Liang

Impact of future climate on the performances of ground-source cooling system

Abantika Sengupta, Pieter Proot, Tom Trioen, Hilde Breesch, Marijke Steeman.

A Multi-Domain Approach to Explanatory and Predictive Thermal Comfort Modelling in Offices

Eugene Mamulova, Henk W. Brink, Marcel G.L.C. Loomans, Roel C.G.M. Loonen, Helianthe S.M. Kort

Exploring futures of summer comfort in Dutch households

Lenneke Kuijter, Lada Hensen Centnerová

Correlation of subjective and objective air quality data in shopping centers as a function of air temperature and relative humidity

Mahmoud El-Mokadem, Kai Rewitz, Dirk Müller

The other ten papers can be accessed on-line::

[Droplet Concentration Produced during Expiratory Activities and Evaluation of Relative Infection Risk](#)

Arisu Furusawa, Takashi Kurabuchi, Jeongil Kim, Masaki Shimizu, Haruki Taguchi

(Best paper award for the theme Health and Comfort)

[Control of the bed thermal environment by a ventilated mattress](#)

Ge Song, Mariya Petrova Bivolarova, Guoqiang Zhang, Arsen Krikor Melikov

[Cooling effects on fatigue recovery during summer sleep](#)

Noriko Umemiya, Mitsunori Suzuki

[Dynamics of metabolic rate in male individuals due to the meal and regular office activities](#)

Dolaana Khovalyg, Jiyoun Kwak

[Estimating Long-Term Indoor PM2.5 of Outdoor and Indoor Origin using Low-Cost Sensors](#)

Tongling Xia, Yue Qi, Xilei Dai, Ruoyu You, Junjie Liu, Chun Chen

[Investigation of PECS on the basis of a virtual building controller](#)

Katharina Boudier, Sabine Hoffmann

[Investigation of the group differences in indoor environmental quality](#)

Zheng Li, Ongun Berk Kazanci, Qingwen Zhang Bjarne W. Olesen

[Self-reported health and comfort of outpatient workers in six hospitals](#)

AnneMarie Eijkelenboom, Philomena M. Bluysen

[Temperature calibration and Annual performance of cooling for ceiling panels](#)

Seyed Shahabaldin Seyed Salehib, Karl-Villem Vösab, Jarek Kurnitskia, Martin Thalfeldt

[Thermal comfort perception and indoor climate: Results from the OPSCHALER project](#)

Arjen Meijer, Anastasia Petropoulou, Andrea Joseph Thaddeus, Laure Itard