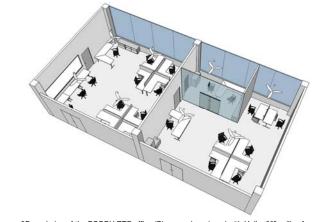
THERMAL COMFORT AND SELF-REPORTED SinBerBEST PRODUCTIVITY IN OFFICE WITH CEILING FANS

Aleksandra Lipczynska, Stefano Schiavon, Lindsay Graham

CASE STUDY

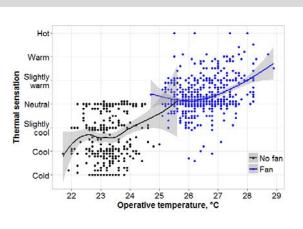
We assessed the impact of the use of ceiling fans and increased temperature set-points on thermal comfort and self-reported productivity in the real office in Singapore.

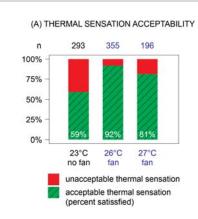
- 6 weeks of measurements
- We tested typical Singaporean temperature set-point (23 °C) and elevated room temperature (up to 27 °C)
- Air movement provided by ceiling fans was under occupants' control
- Survey was a result of interdisciplinary work of a psychometrician and building scientist

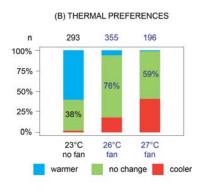


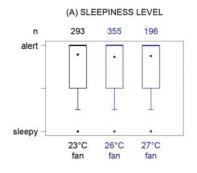
3D rendering of the BOSCH RTC office (Singapore) equipped with Haiku 60" ceiling fans

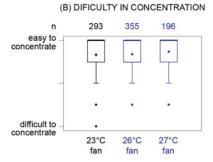
SURVEY RESULTS

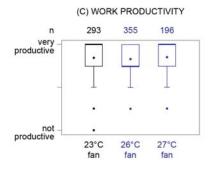












CONCLUSIONS

Increasing temperature set-point from 23°C to 26-27°C and simultaneously using ceiling fan increased thermal comfort and maintained high self-reported productivity

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