Theme A: Human-Building Nexus - Enhancing Health and Productivity in the Built Environment
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The aim of this theme is to create knowledge, innovate, and develop solutions to enhance health, well-being and productivity through smart buildings for tropical climates. The methodologies used in this theme comprise different type of surveys, empirical evaluations in various testbeds and field studies.

Overall these culminate in a deeper and more comprehensive understanding of the health and wellbeing of the occupants, manifested in terms of satisfaction, perception and tangibly in performance (productivity). Implied in the approach is energy efficiency and smart technologies (sensing, control and informatics) and analytics.

Projects

Health, Well-Being and Productivity and Indoor Environmental Quality

Benchmark for Occupant Satisfaction in Commercial Building in Singapore

Elevated Air Movement and Increased Temperature Setpoint

Adaptable coil

Solutions to Reduce Exposure to Particulate Matter and Airborne Aerosolized Transmissions

Lighting Experiment in CREATE Test Bed involving human subjects

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