CE 186 Team Declaration

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Topic Areas:

Smart Energy & Environment + aspects of Smart Health

Topic Summary:

We are interested in doing a project on smart ventilation and indoor air quality (IAQ). Our ideas include using a system of air quality sensors (CO2, NOx, etc.) to monitor IAQ in campus locations or personal residences and using that data to control a smart building envelope (automated windows) and/or smart mechanical system (such as automated fans) and/or bring human decisions into the system by providing actionable information to building operators and occupants. The goal of the project would be to optimize energy use, improve air quality, and provide transparency on the quality of spaces to their occupants.