How do we measure the spatial & temporal variability of daylight in architecture?

**New Metrics**

For measuring spatial and temporal variability...

- **Digital Model**
  - Digital models, already in use within architectural design can be used to export an interior view(s) for analysis

- **Daylight Rendering(s)**
  - A virtual set of HDR renderings, which represent a cross-section of daily and monthly instances, can be generated from Radiance

- **Image Analysis**
  - A method for quantifying spatial contrast and luminance variability through HDR images is currently under development

- **Dynamic Annual Analysis**
  - An annual analysis can be conducted from daily and monthly instances. This dynamic analysis shows spatial and temporal data.

**Can we link these measurements to occupant perception?**

**Next Steps**

**Validation...**

- **1) Quantitative Method**
  - Each of the proposed metrics must be validated across a broad range of architectural examples to establish an appropriate scale for data and test the sensitivity of the quantitative method with detailed interior spaces.

- **2) Link with Human Perception**
  - Occupant studies must be conducted to validate the proposed metrics against human perception. These measurements can then be linked to design intent and ultimately to recommendations based on programmatic use.