



Contribution ID: 314

Type: **Oral presentations**

## Conceptualisation and quantitative study of aesthetic and affective Perception of Pictures in Physics Education

*Thursday 29 August 2024 10:30 (20 minutes)*

Visualizations in physics education attract attention, fascinate viewers, and motivate engagement with the content. Research has linked visualization attributes to influence learning, but questions persist about how aesthetic visuals affect learning. Understanding student perceptions of picture aesthetics is essential, before investigating this further. Delving into theory of art and design, we selected criteria to choose eight pictures; four considered aesthetic. We assessed the perception of the pictures using a newly developed questionnaire. Results showed the chosen aesthetic pictures were more appealing. A short interview confirmed these findings, confirming that the selected criteria are effective for choosing aesthetic pictures.

### Target education level

Secondary

### Category

Formal Education

### How would you like to present your contribution?

Hybrid from my own country (early in the conference day, best for Asia, Australia)

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**Session Classification:** Oral presentations

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