

CIC29 CONUNDRUMS

Join colleagues for an informal discussion about one of the color-related topics listed below. While each conundrum is led by a facilitator, the goal is for everyone to share their opinions and experiences.

COLOR CONUNDRUMS I

Tuesday 2 Nov 14:20–15:10 (NY) / 19:20–20:10 (Paris)

Wednesday 3 Nov 03:20–04:10 (Tokyo)

Join one of three groups for informal discussions:

Conundrum A: What is HDR?

Convenor: Timo Kunkel, Dolby Labs

HDR is widely talked about in a multitude of contexts. On the surface, it often seems straight forward to define what HDR is. However, when starting to dig deeper, it is not that simple anymore: Is HDR a special effect in an app? a type of image processing? a graphics technique? a series of images at different exposures? a special camera? a special display?

Conundrum B: Communication of Color

Convenor: Philipp Urban, Fraunhofer Institute for Computer Graphics Research IGD

Is color a separable property of objects? The physiological evidence of color channels in early vision would seem to support this view, however many color phenomena contradict this simple idea. What does this mean for how we measure, characterize, and ultimately communicate color?

Conundrum C: Color and Vision: Beyond the Rainbow

Convenor: James Ferwerda, Rochester Institute of Technology

How do processes other than those based on the spectral properties of light contribute to the perception of color? How do color illusions arise? How do simultaneous contrast, assimilation, induction colors, etc. work? What is the role of expectation? What can these phenomena tell us about color processing at all levels of the visual system? *Learn more [link?]*

COLOR CONUNDRUMS II

Tuesday 2 Nov 20:20–21:10 (NY)

Wednesday 3 Nov 01:20–02:10 (Paris) / 09:20–10:10 (Tokyo)

Join one of three groups for informal discussions:

Conundrum D: Color and Color Names around the World and Through Time

Convenor: Minjung Kim, Facebook Reality Labs

How are colors named across languages or classified in different places? Are there names for particular colors that don't translate well between languages? Are there color names whose meaning has changed over time, or whose meaning is ambiguous or commonly misunderstood?

Conundrum E: What does industry need from new color scientists?

Convenor: Jerry Jia, Facebook Reality Labs

What kinds of academic preparation and experience does one need today to succeed in industry as a color and imaging scientist or engineer? What are the most important things academia should be teaching color science/engineering students in order to meet the needs of industry now and for the next 10-20 years?

Conundrum F: What color problem needs to be solved ASAP?

Convenor: Dave Wyble, Avian Rochester, LLC

What do you think is the most pressing or important color-related problem that needs to be solved now?