

December 1st, 2019

ACA2019 特別講演会

12月1日(日)午前(予定)

矢口博久 千葉大学 名誉教授

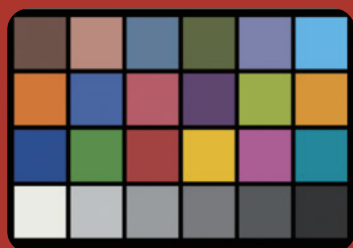
Judd賞受賞 記念講演

# Individual Colorimetry

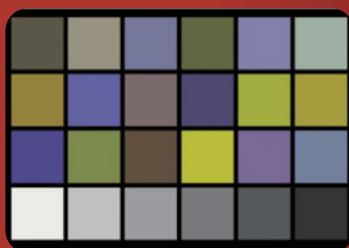
Prof. Dr. Hirohisa Yaguchi

Do people see different colors? The most widely used CIE color system is based on a single observer, called the CIE 1931 standard colorimetric observer. However, color vision is more or less different in individuals. Recently, we have developed a color appearance model for anomalous trichromats and aged people. Even if the colorimetric values of two stimuli with different spectral powers such as an object color and a display color are equal, different colors may be seen. It is considered to be a problem of observer metamerism, which is caused by the fact that the color matching function of a real observer is different from that of a standard colorimetric observer. We have analyzed the problem of observer with our color appearance model for individuals. In the near future, it would be desirable to establish a colorimetric system for individual color vision.

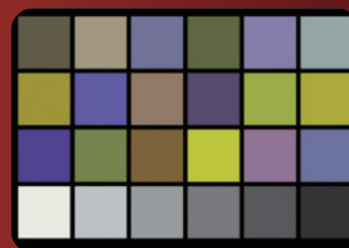
Normal



Protanomaly



Deuteranomaly



## PROFILE

### Hirohisa Yaguchi

Hirohisa Yaguchi is Professor Emeritus at Chiba University.

He got his PhD at Tokyo Institute of Technology in 1980. In 1982, he moved to National Research Council Canada. He came back to Chiba University in 1986, and retired from Professor in 2016. He was the Steering Committee Chair of the midterm meeting of AIC2015 Tokyo. Also, he served as an Executive Committee Member of AIC from 2002 to 2005. He has been selected as the recipient of the AIC Judd Award 2019.



## 第5回アジア色彩学会 ACA2019 Nagoya

<http://www.color-science.jp/ACA2019/top/index.html>

会期: 2019年11月29日(金)~12月2日(月)

会場: 名城大学 ナゴヤドーム前キャンパス(名古屋市)

主催: ACA2019実行委員会

共催: 日本色彩学会

後援: 愛知県、名古屋商工会議所、名城大学

問合せ: [info\\_ACA2019@color-science.jp](mailto:info_ACA2019@color-science.jp)



MEIJO UNIVERSITY