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GSB NEWS
28.10.2021



Dear members of the GSB,

we are pleased to have the opportunity to invite you to our next online training course.

This time, everything revolves around the topic of color measurement technology.

For the course we have invited Mr. Uwe Schröder (Farbmestechnik Schröder) to be our lecturer.

Your GSB Team



Online Training Course on 2.12.2021

Together with you we are looking forward to an exciting morning around the topic of color measurement!

The course will take place on 2.12.2021 from 9:00 a.m. to 12:30 p.m. CET in English.

➔9:00 a.m.

Welcoming

Werner Mader
GSB International

➔9:05 a.m.

Part 1: Basics of Color Evaluation for Colored Aluminum Applications

- ✓ Color theory, color perception, human eye
- ✓ Standard observer 2° and 10° and their areas of application in the coloring industry
- ✓ Standardized types of light and their worldwide applications in various industries
- ✓ Correct standardized light in light cabins, light studios, work areas
- ✓ Color vision tests
- ✓ Sample quality, opacity, translucency, fluorescence, transparency, opalescence
- ✓ Metamerism and thermochromism
- ✓ Correct visual color evaluation according to DIN EN ISO 3668
- ✓ Professional evaluation sheets for visual color control
- ✓ Standards and guidelines

Uwe Schröder
Farbmessstechnik Schröder

➔ 10:30 a.m.

Break

➔ 10:45 a.m.

Part 2: Basics of Color Measurement Technology for Colored Aluminum Applications

- ✓ Construction of color measurement devices based on the spectral method
- ✓ Measurement geometries for different applications such as reflection, transmission, translucency
- ✓ Measurement geometries for reflection measurements such as $45^\circ:0^\circ$, $di:8^\circ$, $de:8^\circ$ their differences and typical areas of application
- ✓ What do color measuring devices see and measure?
- ✓ How do these values come about and what do they depend on?
- ✓ CIE 1976 $L^*a^*b^*$ color space
- ✓ Color coordinates $L^*a^*b^*$ and $L^*C^*h^\circ$
- ✓ Color differences and total color difference dE^*
- ✓ Disadvantages of CIE dE^* , advantages of color difference system dE CMC
- ✓ Basics of gloss measurement
- ✓ Standards and guidelines

Uwe Schröder
Farbmessstechnik Schröder

➔ 12:15 p.m.

Questions and instructions regarding the test

➔ 12:30 p.m.

End of the course

The participation fee is structured the following way:

First participant of a company 289,00 € plus VAT.
Each additional participant of the same company 249,00 € plus VAT.

Registration

You can register for the course by using the following link: [LINK](#)

After receiving your registration, you will receive an invoice from us. As soon as the invoice amount has been credited to our account, we will send you the access data for the online training course (Zoom).

Participation

No special technical equipment - neither camera nor microphone - is required for participation. You will receive detailed instructions on the login modalities with the access data.

A script will be sent to you in advance for you to have the possibility to take notes.

Test

The course is to be completed with a test. You will receive the test afterwards as a PDF form, which you fill out and return to us via mail. To successfully pass the test, it is

mandatory to listen carefully to all lectures of the course.

Certificate

Participants receive a certificate confirming successful participation and passing the test.

If you have any questions about the course, please contact Mr. Philipp Mader:
philipp.mader@gsb-international.de (+49 211 4796-292).

For questions regarding registration, please contact Ms. Cornelia Beeckmann:
cornelia.beeckmann@gsb-international.de (+49 211 4796-450)

We are looking forward to meeting you!

Editorial Office

We are looking forward to your topic suggestions, questions and comments regarding the GSB-NEWS!

Please contact Philipp Mader:

philipp.mader@gsb-international.de



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