



Atlas Online Weathering Academy

Atlas Advanced Webinars



At home? At work? Learn about weathering and lightfastness testing. Our Atlas Client Education Team has developed webinars on relevant topics and applications. These webinars will broadcast at different dates and times, followed by a question and answer session.

Webinar Program

Weathering Testing – Fundamental Principles

This webinar gives an introduction and an overview on weathering and lightfastness testing principles. The effects of weather on organic, polymeric materials are described. It will be shown how common natural and artificial weathering testing techniques can be used for meaningful weathering testing. Basic principles of acceleration and correlation will be described.

Tuesday, July 14, 2020

08.00 UTC
10.00 CEST (Berlin)
13.30 IST (Mumbai)

Tuesday, August 18, 2020

16.00 UTC
18.00 CEST (Berlin)
11.00 am CDT (Chicago)

Tuesday, September 22, 2020

08.00 UTC
10.00 CEST (Berlin)
13.30 IST (Mumbai)

Weathering Reference Materials

Standard reference or control materials are recommended for the validation of accelerated test methods and for control of the instrument performance. Here we show how common reference materials (e.g. ISO or AATCC blue wool scale, SAE Polystyrene, PERS and others) are used effectively in weathering testing.

Thursday, July 9, 2020

18.00 UTC
20.00 CEST (Berlin)
01.00 pm CDT (Chicago)

Tuesday, August 4, 2020

13.00 UTC
15.00 CEST (Berlin)
8.00 am CDT (Chicago)

Wednesday, September 30, 2020

18.00 UTC
20.00 CEST (Berlin)
01.00 pm CDT (Chicago)

Basics of Polymer Photooxidation

This webinar addresses the effects of light, heat and moisture on material degradation. What effect does solar radiation have on materials? What is the influence of temperature? How can the impact be estimated? Topics like spectral sensitivity, activation spectra, and the Arrhenius equation are discussed. The most important chemical degradation pathways are described. How can photooxidation be controlled or be avoided?

Thursday July 16, 2020

08.00 UTC
10.00 CEST (Berlin)
13.30 IST (Mumbai)

Monday, August 24, 2020

17.00 UTC
19.00 CEST (Berlin)
12.00 am CDT (Chicago)

Wednesday, September 16, 2020

13.00 UTC
15.00 CEST (Berlin)
8.00 am CDT (Chicago)



**ADVANCED
WEBINARS**

Weathering Testing – Visual and Instrumental Evaluation

This webinar addresses evaluation techniques commonly used in accelerated weathering testing, including the assessment of color, gloss, chalking, cracking, blistering and other. Instrumental and visual technologies are described. References to evaluation standards and rating scales are given.

Tuesday, July 21, 2020

13.00 UTC
15.00 CEST (Berlin)
8.00 am CDT (Chicago)

Wednesday, August 19, 2020

18.00 UTC
20.00 CEST (Berlin)
01.00 pm CDT (Chicago)

Solar environmental testing according to MIL-STD-810H

Even though the background of MIL-STD 810H (Method 505.5) comes from defense and military applications, this method serves as a basis for component testing for many other applications, ranging from aircraft components to consumer electronics. This webinar gives a guideline on how to run MIL-STD 810H (Method 505.5) in Atlas Xenon-Arc instruments.

Weathering and in solar environmental testing of components can be even more challenging than testing of materials. The number of published standards is limited.

Tuesday, August 11, 2020

08.00 UTC
10.00 CEST (Berlin)
13.30 IST (Mumbai)

Wednesday, September 9, 2020

16.00 UTC
18.00 CEST (Berlin)
11.00 am CDT (Chicago)

Registration

Attendance to the webinars is **free!** To register, simply click on the appropriate dates for each seminar. Once you complete your registration(s), you will then receive e-mail confirmation(s) for your attendance.

Recordings of our webinars are available on demand following the link below:

<https://www.gotostage.com/channel/4ce67f4a38704d10b37f0d3db886ca57>

Please visit <http://atlas-mts.com/knowledge-center/calendar/ced-calendar> for our complete client education program.