

GOT RESIDUAL STRESS?

ASM International Residual Stress Technical Committee

A Community Where People Care About Residual Stress



DID YOU KNOW?

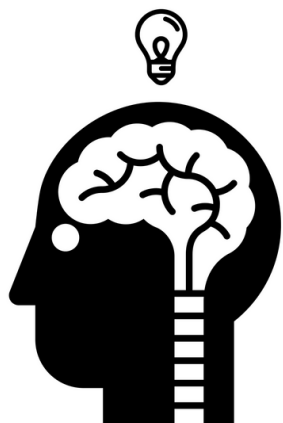
By Beth Snipes, FASM

WHAT'S NEW?



Are you aware that ASM International has a new committee for all things related to residual stress? Whether you are a practitioner of measurements or modeling, dealing with life extension, improving the design, or simply want to figure out how stresses impact your bottom line, the Residual Stress Technical Committee has the answer. We are a group of passionate individuals that have expertise in all aspects of residual stress.

The Committee started in January 2020 under the leadership of David Furrer. The latest membership count stands at more than 60 representing government, industry and academia. Seldom do you find such a diverse group that works together for the good of all.



- **STRESS CAN BE BEAUTIFUL - DID YOU KNOW THAT A BUTTERFLY WOULD NEVER EXIST IF IT WASN'T FOR THE STRESS OF EMERGING FROM A COCOON?**
- **SMILING REDUCES STRESS AND DEPRESSION IN THE SMILER AND PEOPLE SEEING THE SMILE.**
- **NEED TO REDUCE STRESS AND BLOOD PRESSURE - SOAK IN A TUB OF WARM WATER!**

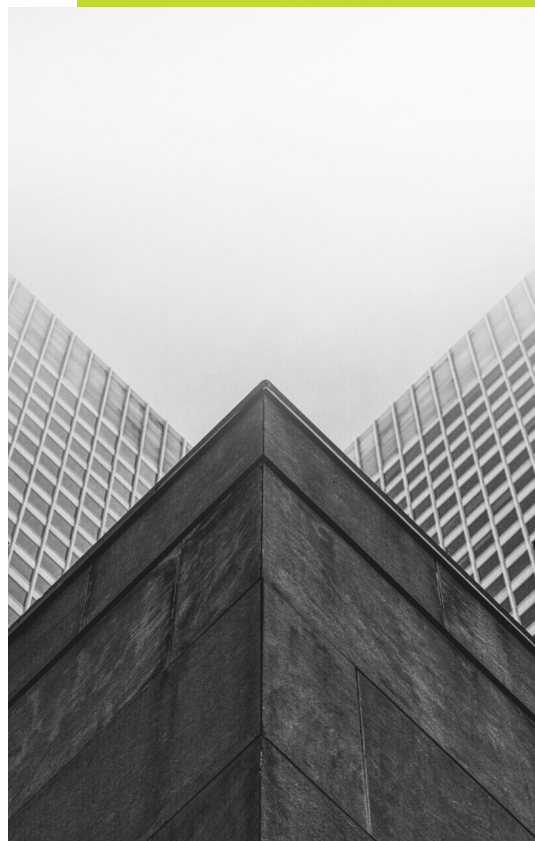
RESIDUAL STRESS: BOTH FRIEND AND FOE

BY DAVID FURRER

Residual stress exists in all classes of materials and significantly impacts many facets of product design and manufacturing. With the launch of a technical committee on this topic, ASM International is creating a specialized network of volunteers to advance the science of this important phenomenon.

Full Article Link

<https://static.asminternational.org/amp/202006/28/>



DR. DAVID U. FURRER, FASM

**SENIOR FELLOW DISCIPLINE LEAD
PRATT & WHITNEY
EAST HARTFORD, CT**

Dr. David U. Furrer, FASM, senior fellow discipline lead, Pratt & Whitney, earned both his bachelor's and master's degrees in metallurgical engineering from the University of Wisconsin-Madison, and a doctorate of engineering from the Universität Ulm in Germany. Furrer joined Pratt & Whitney in 2010 and leads the Pratt & Whitney materials discipline chiefs and materials fellows in development of technical strategies, new materials and processes, and engineering standards and procedures. He is also responsible for the materials engineering discipline health relative to technical talent growth, sustainment, and succession planning.

Furrer has been a member of ASM International since 1985 and served as ASM trustee in 2010-2013, as ASM President in 2019, and as chair of the ASM Nominating Committee for 2021. Furrer is actively involved with ASM chapters, committees/councils, and affiliate societies. He recently helped to develop a new robust framework for ASM technical committees and is the founding chair of the ASM Residual Stress Committee.

Furrer is a member of the Connecticut Academy of Science and Engineering and was named an ASM Fellow in 2003.



UPCOMING CONFERENCES

SEM, Jun. 14-17, 2021

<https://sem.org/annual/>

ASME PVP, week of Jul. 12, 2021

<https://event.asme.org/Events/media/library/resources/pvp/PVP-2021-Call-For-Papers.pdf>

Denver X-ray Conference, Aug. 2-6, 2021

<https://www.dxcicdd.com/>

ASM Heat Treat 2021 – co-located with IMAT

<https://www.asminternational.org/web/heat-treat>

IMAT, Sept. 13-16, 2021

<https://www.asminternational.org/web/imat-2021>

Meca-SENS, Oct. 3-7, 2021

<https://www.asminternational.org/web/imat-2021>

ICALEO, Oct. 18 - 21, 2021

<https://icaleo.org/program/icaleo-2021>

ICRS 11, Dec. 2021

<https://www.lanl.gov/contour/conferences.html>

Fatigue 2022, (Hiroshima)

<https://www.showsbee.com/fairs/Fatigue-Congress.html>

**North American Residual Stress Conference,
not until 2022**

<https://www.lanl.gov/contour/conferences.html>

ECRS 2022, date uncertain

<https://www.lanl.gov/contour/conferences.html>

SUB-COMMITTEES ALONG WITH THE LEADS

Education

-Jeff Bunn-

bunnjr@ornl.gov

Residual Stress Standards

-Dale Ball-

Dale.L.Ball@lmco.com

Handbook

-Dave Furrer & Mike Hill-

david.furrer@prattwhitney.com

mrhill@ucdavis.edu

Conferences/Presentations

-Lesley Frame-

lesley.frame@uconn.edu

Newsletter

-Beth Snipes & Ben Wang-

Beth.Snipes@tec-materialstesting.com

wang.ben@cummins.com

**DO YOU HAVE INTEREST IN RESIDUAL STRESS, WANT MORE INFORMATION, OR TO LINK UP WITH
THE COMMITTEE? PLEASE CONTACT matinfo@asminternational.org**