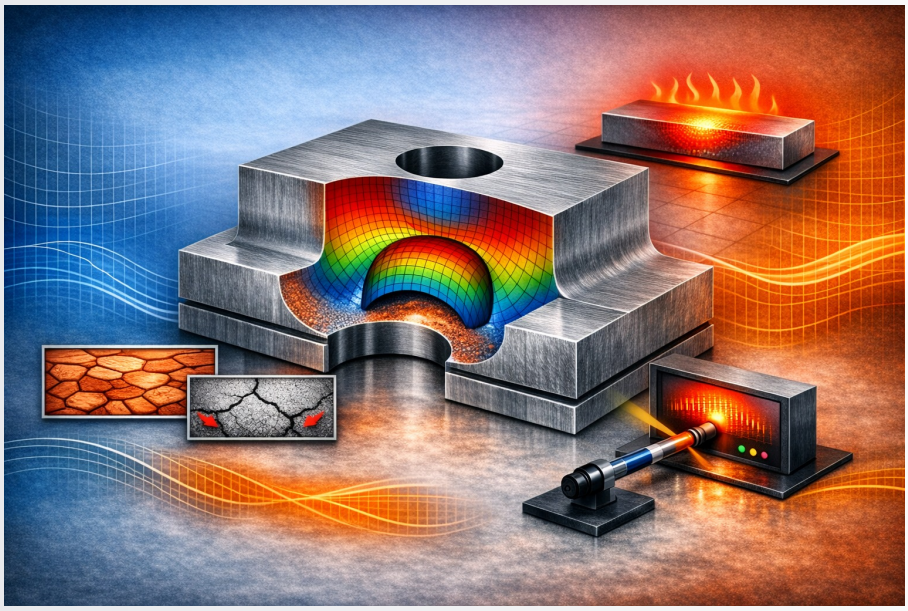

# Got Residual Stress

**ASM International Residual Stress Technical Committee**

February 2026 — Vol. 5 — Issue 1

**In this issue:** Team leaders and subcommittees, ASM support staff (Scott D. Henry and Amy Nolan), ICRS-12 highlights, a message from past chair Seung-Yub Lee, and upcoming conferences.

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| Vice Chair | G Styger | garystyger@gmail.com |
| Secretary | Z Yu | zyu@mines.edu |
| Past Chair | SY Lee | seungyub.lee@prattwhitney.com |
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| Newsletter | B Snipes | beth.snipes@gmail.com |
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**Stay Connected**

**LinkedIn Group Page:**
linkedin.com/groups/16996041

**Committee Website:**
asminternational.org/residual-stress-technical-committee

## From the committee

Year 2025 was an extraordinary year for the RSTC. Volume 25A of the Residual Stress Handbook has been published. The International Conference on Residual Stresses was co-located with IMAT in Detroit. RSTC members Mike Hill, Mike Prime and Andrew Payzant organized and co-chaired the conference. Membership continues to grow. Read on for the juicy details.

**ASM Residual Stress Fundamentals Handbook**

ASM RSTC membership and external dedicated experts completed a mammoth task by creating **Volume 25A** of the Residual Stress Fundamentals Handbook. On-line and hard copies can be purchased at the link below.

dl.asminternational.org/handbooks/edited-volume/211/Residual-Stress-Fundamentals

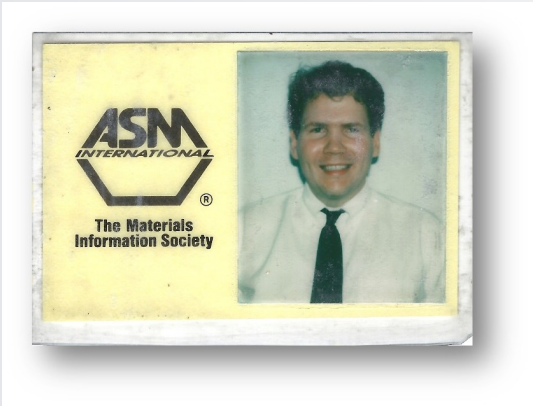
**Get your copy now! Volume 25B is expected in 2026.**

# ASM RSTC Support Staff

Our eager and energetic volunteer membership has been the driving force behind the success of the RSTC. Behind every successful technical committee is the dedicated, skilled, and extremely helpful ASM staff. We would not be able to make the tremendous gains we have seen without Scott Henry and Amy Nolan. Get to know our valued staff by reading below.

### Scott D. Henry (Director, Content and Publishing, ASM International)

Scott Henry directs ASM's content and publishing teams, overseeing ASM Handbooks, technical books, journals, magazines, and databases. His responsibilities include content strategy, digital formats, product development, partner relations, and business analysis. He also serves as chief staff liaison to ASM Technical Committees, establishing new committees and ensuring they deliver valuable outputs while providing rewarding experiences for members.




*My ASM ID card from 1989, when male staff associates were required to wear ties.*

Since joining ASM International in 1989 as a copy editor, Scott has advanced through roles including acquisition editor and various management positions. While content development has transitioned from print to digital formats, ASM's core value remains unchanged: providing essential content and fostering professional networking. Members who contribute content not only enhance their reputation and knowledge but also build valuable connections. Those who consume ASM content and participate in ASM committees advance their careers and support their organizations' success.

Scott holds degrees in English Literature from the Ohio State University (BA) and the University of Illinois (MA). He lives in Shaker Heights with his wife, Julie, a retired middle school teacher. Scott and Julie have two children. Their son, Nat, is a geospatial scientist who lives with his wife, Ellen, in Seattle. Their daughter, Lizzie, is a preschool teacher living in Cleveland Heights.

### Amy Nolan (Content Developer, ASM International)

Amy Nolan is a Content Developer in ASM International's Reference Publications unit of its Content Department. She works almost exclusively on the revered ASM Handbook series. Her responsibilities lie in two main areas: content development and acquisition editing.

Amy joined ASM full-time as a Content Developer in 2012. She previously worked for ASM part-time as a Copy Editor in 1999.

Amy holds a Bachelor of Arts degree in English from Youngstown State University. She lives in Solon, Ohio, with her son Brendan, a web developer. Amy and Brendan have two tuxedo cats, brothers Whiskers and Mittens. Whiskers is his mother's favorite. In her free time, Amy loves to garden, outside in her flower beds in the Spring and Summer, and inside under lights in the Winter.

# International Conference on Residual Stress

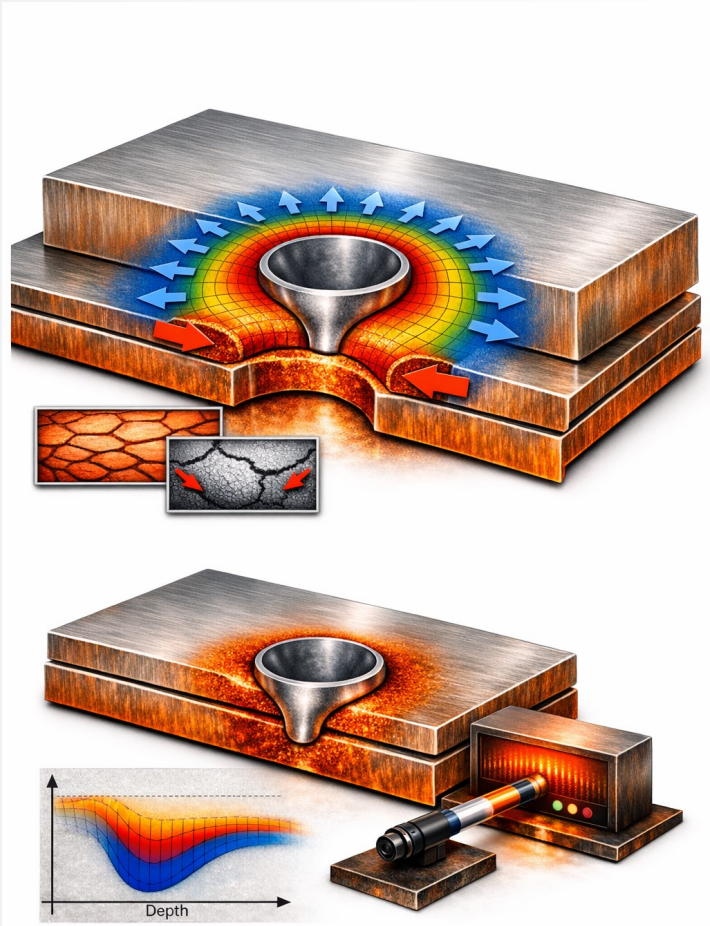
ICRS-12 was co-located with IMAT in Detroit, MI, October 20–23, 2025. This is the first time the conference has been in North America since 2008. Keynote speakers were Dave Furrer and Dale Ball, both premier members of RSTC. Registrations specifically for ICRS-12 were 116, while IMAT and Heat Treat registrations included many additional attendees. The conference proceedings include 21 submissions.

In addition to the conference, a pre-conference primer on residual stress was held *Residual Stress 101* with 21 registrations. Highlights of the conference included 108 oral presentations, 6 poster presentations, and 4 student competition submissions.


*ICRS-12 Organizers - Mike Prime, Mike Hill, Andrew Payzant*

*Keynote Speakers - Dale Ball & Dave Furrer*

***ICRS-12 2025 Detroit, Michigan photos:***
drive.google.com/drive/folders/1jNR3isaZvrW1_V8UOMruOP5ykHnGXbbx



# Past Chair: Seung-Yub Lee

### Reflecting on the Past Year as ASM RSTC Chair (by Seung-Yub Lee)

Dear ASM RSTC members,

My name is Seung-Yub Lee, who served on the Residual Stress Technical Committee (RSTC) for three years as secretary, vice chair, and chair, through August 2025. Since joining Pratt & Whitney in 2018, I have faced many new challenges and opportunities in the residual stress work that I do every day, which has helped me grow significantly over the past seven years. Among the various experiences I've had, joining and leading the RSTC has been the most challenging yet rewarding one.

I tend to be a "half-empty" person with a noticeably cynical attitude. When Dave Furrer started this committee in 2020, I thought it would fade away within a year or two. When he later proposed a residual stress handbook project, saying "this is a marathon, not a sprint," I was skeptical. The project felt far too ambitious. But now, we all know what has happened over the past five years. The RSTC is still growing, and we completed and published the first volume of the handbook, with the second volume expected by 2026.

Yes, we were fortunate to have a great leader who set the vision and took the initiative, but I saw firsthand that our success was only possible because so many people supported one another and went the extra mile to achieve something greater, especially over the past three years while I served as an officer. With that, I sincerely express my gratitude to all our RSTC members and participants. Thank you very much.

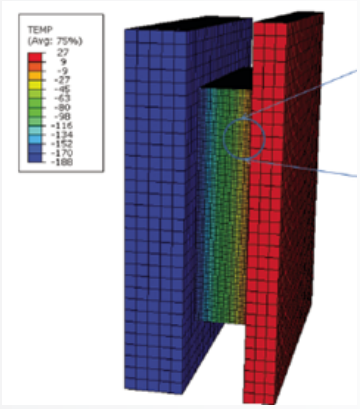
Of course, not everything was smooth. We encountered tension at times and occasional conflicts of interest. But we remain committed to our purpose as defined in the charter: to enable ASM International members interested in residual stress to gather and work together in a pre-competitive manner to help drive industry-wide effort. I have seen amazing things happen through this committee, even in challenging circumstances, and I believe we can accomplish even more happily next year.

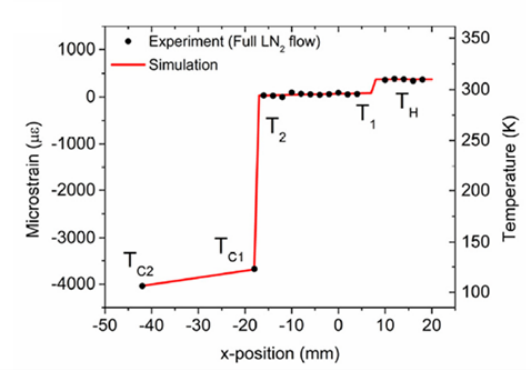
Through the lessons learned from the RSTC, I've realized that I grow the most when my negative, short-sighted assumptions are proven wrong. Let me close by sharing one of my papers that expanded my knowledge more than I ever anticipated: measuring temperature using neutron diffraction. What? Using neutrons as a temperature probe — not to measure strain for residual stress? Yes. It wasn't easy, but it was possible. This paper reminds me of the RSTC's success and encourages me to keep trying new things. Please enjoy.

**Measurement of Interface Thermal Resistance with Neutron Diffraction**

S-Y Lee, H. Skorpenske, A.D. Stoika, K. An, X-L Wang, & I.C. Noyan

doi.org/10.1115/1.4025500




# Seung-Yub Lee's bio

Seung-Yub was born and raised in South Korea. After earning his bachelor's degree in metallurgical engineering, he completed his master's degree at UCLA and his Ph.D. at Caltech. After a postdoctoral appointment at Iowa State University, he worked at Columbia University as a research scientist, where he began his journey in the residual stress field under the guidance of Prof. Cev Noyan. Since joining Pratt & Whitney, Seung-Yub has enjoyed working as a residual stress focal, collaborating with aerospace engineers and materials scientists.

# Upcoming conferences (2026)

| Conference | Dates (2026) | Location | Website |
|---|---|---|---|
| ICPDF 2026 (Int. Conf. on Plasticity, Damage & Fracture) | Jan 3–8 | Geelong, Australia | internationalplasticity.com |
| TMS 2026 Annual Meeting (Fatigue & Fracture Symposia) | Mar 15–19 | San Diego, USA | tms.org/TMS2026 |
| ECCC 2026 (Creep & Fracture in High Temp. Components) | May 18–20 | Aix-en-Provence, France | eccc2026.org |
| ESIA18–ISSI2026 (Structural Integrity Assessment) | May 18–20 | Glasgow, UK | fesi.org.uk/esia18-issi2026 |
| ISOPE 2026 (Ocean & Polar Engineering — Materials/Fracture Tracks) | May 31–Jun 5 | Orlando, USA | isope.org |
| SEM 2026 Annual Conference (Experimental Mechanics) | Jun 1–4 | Norfolk, USA | sem.org/annual |
| ESREL 2026 (European Safety & Reliability Conference) | Jun 14–19 | Braga, Portugal | esrel2026.com |
| RSMSE 2026 (Residual Stress in Materials Science & Engineering) | Jun 23–25 | Kassel, Germany | dgm.de/rsmse/2026 |
| Fatigue 2026 (14th International Fatigue Congress) | Jun 29–Jul 3 | Funchal, Madeira, Portugal | ifc14.tecnico.ulisboa.pt |
| FFW 2026 (Fracture, Fatigue and Wear) | Jul 15–18 | Matsue, Japan | ffwconf.org |
| ASME PVP 2026 (Pressure Vessels & Piping) | Jul 19–24 | Anaheim, USA | event.asme.org/PVP |
| ICFSMA 2026 (Ferromagnetic Shape Memory Alloys) | Aug 31–Sep 3 | Kassel, Germany | dgm.de/icfsma/2026 |
| ECF 25 (25th European Conference on Fracture) | Sep 6–11 | Athens, Greece | ecf25.eu |
| BSSM 2026 (Advances in Experimental Mechanics) | Sep 8–10 | Swansea, UK | bssm.org/events |
| ICAA 20 (Aluminium Alloys — Fatigue/Fracture Tracks) | Sep 13–17 | Berlin, Germany | dgm.de/icaa/2026 |
| WTC 2026 (World Tribology Congress — Contact Fatigue/Wear) | Sep 20–25 | Rio de Janeiro, Brazil | wtc2026.org |
| RAPDASA 2026 (Additive Manufacturing — Residual Stress) | Oct 26–30 | South Africa (TBC) | site.rapdasa.org |
| ASTM Symposium on Sensor Technologies (Fatigue/Fracture) | Nov 4 | Jacksonville, USA | ampp.org |
| ASME IMECE 2026 (Mechanical Engineering Congress) | Nov 8–12 | Vancouver, Canada | event.asme.org/IMECE |
| AMRS 2026 (African Materials Research Society) | Dec 5–10 | Nairobi, Kenya | africanmrs.net |