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Description automatically generated**ASM International** **Residual Stress Technical Committee (ASM-RSTC)**

**Mike Hill – Committee Chair (Oct 1, 2021 – Sep 30, 2022), mrhill@ucdavis.edu**

**James Pineault – Vice Chair, xrdlab@protoxrd.com**

**Beth Snipes – Secretary, Beth.Snipes@tec-materialstesting.com**

**Notes for ASM-RSTC Meeting June 15, 2022 – James Pineault presiding**

* Attendees: NEW -
  + Mark Newby, Amanda Brieger, Sunday Aribo, Mike Bujold
  + RETURNING
  + Ray Fryan, Beth Snipes, James Pineault, Rajan Bhambroo, Scott Henry,
  + Guest (), 561-284-1428 (?), Gabe Grodzicki, 248-635-5746 (?), Al Conle,
  + Amrita Bag, Ben Wang, Casey Gales, Claudia Polese, David Breuer,
  + Eckehard Mueller, Gary Styger, Jason Sicotte, Jim Harrison, John Watton,
  + Karen Marken, Lesley Frame, Mike Gram, Mohammed Belassel,
  + Nihad Ben Salah, Tom Lachtrupp, Toshi Suzuki, Will McAlexander, Vashist Venkatash, Steve Ferdon, Lynn Ferguson, Reiji John

TODAY: Action items

Brief subcommittee reports

Technical Presentation:

Dr. F. A. Conle of University of Waterloo,

“Initial Residual and Cyclic Mean Stress Relaxation”.

Adjourn

New members today: Amanda Brieger - CWST, Mark Newby - NMU, Sunday Aribo – Evraz, Mike Bujold – Magna

Action items for members:

1. Fill in roster information form https://forms.gle/3YwCTEWGz9NtG5nHA - Beth will send out last call – you may fall off email list if you don’t complete the form.
2. Consider advertising the committee when presenting at professional meetings (small or large)  
   **See 1-slide advert for ASM-RSTC in the latest newsletter**
3. Report RS-related society/organization activities to Mike Hill ([mrhill@ucdavis.edu](mailto:mrhill@ucdavis.edu)).

RSTC will build a list of other professional organizations we link to (such as specific committees/codes/documents organized under ASTM, ASME, ISO, SAE, SAE/FD&E, ICRS, ECRS, ICSP, etc.)

1. Mike Hill announced the Easi-Stress project in EU. They are looking for participation from diffraction practitioners.
2. SAE FD&E had their Spring Meeting this morning – several great talks were given- Beth Snipes spoke to the group about ASM-RSTC – presentations will be distributed by Casey Gales – contact him if you would like to see those GalesCaseyE@JohnDeere.com
3. ASTM E28.13 had their meeting June 1. Beth Snipes spoke to the group about ASM-RSTC.
4. Report University RS activities to Joe Rasche via email ([joe.rasche@ansys.com](mailto:joe.rasche@ansys.com))
5. Recruit new members, especially developing engineers
6. See RSTC Charter on ASM Connect (<https://connect.asminternational.org/communities/community-home?CommunityKey=d4811acc-211c-4e4d-b471-6a5a3645a93d> )
7. Suggest presentation topics for future meetings
   1. Student presenters especially welcome; contact James Pineault ([xrdlab@protoxrd.com](mailto:xrdlab@protoxrd.com))

**Standing Agenda for Residual Stress Committee:**

1. Subcommittee reports
   1. Industry Standards (Dale Ball, Chair, dale.l.ball@lmco.com)

AMS RS Standard (Dale Ball): email update says ballot by SAE Committee B imminent

Release of USAF Structures Bulletin: <https://daytonaero.com/usaf-structures-bulletins-library/>

Other standards:

ISO-21432: Non-destructive testing — Standard test method for determining residual stresses by neutron diffraction (revised 2019, original pub 2004)

Cold-worked holes standard

Energy-dispersive XRD standard through Easi-Stress

* 1. Residual Stress Handbook (Dave Furrer, Chair, [david.furrer@prattwhitney.com](mailto:david.furrer@prattwhitney.com))

Update as of 15 June 2022: Handbook Committee is continuing to develop the finalized ToC, process to complete division scopes and alignment.  Follow-up meeting to be scheduled shortly along with development of a project schedule.  Process to develop sharing of documents between the sub-committee members is being established and formalized (e.g. One-Drive or Google Drive or ……)

* 1. Newsletter (co-Chairs: Beth Snipes, [Beth.Snipes@tec-materialstesting.com](mailto:Beth.Snipes@tec-materialstesting.com)   
     Ben Wang, [wang.ben@cummins.com](mailto:wang.ben@cummins.com) )

Send newsletter items to Ben Wang

April newsletter has been published.

New item for newsletter: “Members in the News”. Please contribute. Also, please contribute to Trivia section.

Newsletters are posted to Connect.   
Can we do something like: Link to asm.org/rstc/newsletter\_v1n1.pdf et cetera

Scott Henry will check into possibilities.

* 1. Education and Chapter Outreach (Jeff Bunn, Chair, [bunnjr@ornl.gov](mailto:bunnjr@ornl.gov))

Members: Bunn, Hill, Ben Salah, Snipes, Sicotte, Styger, Furrer, Belassel

**Residual Stress 101** was given at SEM Annual Meeting, Pittsburgh, June 12, 2022 and was a great success.

**Stress Analysis Workshop at DXC 2022** (Tom Watkins, Cev Noyan), 1-5 Aug 2022

**Workshop at AeroMat 14-16 March 2023, Fort Worth, TX -** Nihad and Jeff will keep us updated on this workshop on the 14th.

* 1. Professional Meetings. Conferences, Symposia (Lesley Frame, Chair – would like to have a co-chair. Please contact Lesley – Lesley.Frame@Uconn.edu)

See list in newsletter

Could update newsletter with context for acronyms

SEM, under way this week (June 12), will have 3 residual stress sessions.

ECRS-11, Prague, Sep 9-13, 2024

IMAT meeting in Sept 2022 –There will 3 RS sessions on Sept. 12th

Aeromat 2023 - Next generation materials for sustainability – call for abstracts – Sept. 30, 2022, https://www.asminternational.org/web/aeromat-2023/home

ICF15 Atlanta, GA – June 11-16, 2023 – call for abstracts coming soon <https://icf15.gatech.edu/>, Casey Gales will be organizing/chairing RS sessions (GalesCaseyE@JohnDeere.com)

DXC 2022 (1-5 August)

ICRS proposal for USA meeting in 2025

Contact Andrew Payzant [payzanta@ornl.gov](mailto:payzanta@ornl.gov) or Mike Prime [prime@lanl.gov](mailto:prime@lanl.gov)

ASM-RSTC is interested in co-sponsorship with ICRS

Leslie requested a listing from the Google Form of those interested in her sub-committee. Beth Snipes will send the appropriate listings for each of the sub-committees once Google Form is finalized.

* 1. University Outreach (**TBD, Chair**)

Call from Joe Rasche on what academic labs are active in RS work

1. New business (topics and/or activities)

None discussed

1. Technical topic

Dr. F. A. Conle of University of Waterloo, “Initial Residual and Cyclic Mean Stress Relaxation”.



<https://fde.uwaterloo.ca/Fde/Articles/fde2019RelaxPres4Web.pdf>

1. Committee Logistics
   1. Add a subcommittee?
      1. Articulation with Other Professional Groups  
         Need to discuss at a future meeting

Next meeting will be July 20 chaired by Mike Hill.