Turbo Expo 2021

New Format Guidelines Webinar" Update

Organizing Committee

Conference Chair: Karen Thole, Penn State University

Executive Conference Chair: Rich Dennis, Department of Energy NETL

Technical Program Chair: Stephen Spence, Trinity College Dublin

Review Chair: Harald Schoenenborn, MTU Aero Engines AG

Vice Review Chair: Andrew Nix, West Virginia University

Vice Review Chair: Natalie Smith, Southwest Research Institute

Vice Review Chair: Keun Ryu, Hanyang University

Tutorial Chair: Guillermo Paniagua, Purdue University

Gas Turbine Segment Liaison: Akin Keskin, Rolls-Royce

ASME INTERNATIONAL GAS TURBINE INSTITUTE

Additional changes for TE 2021 Conference Format

- VOD available prior to start of conference

- Improved virtual tool so that presentation and paper are connected within the same web tool

- Include a complete list of authors associated with VOD / paper

- Improved navigation in the virtual platform

- Visibility on who is watching each session

- Improve networking discussion (round tables)

- Inclusion of the tutorials and panels

- PDF version of the technical program

TE 2021 New Conference Format

Review process will remain the same, ie conference, journal, and honors recommendations

After conference papers are accepted, authors can fall into two categories:

- Video on demand full length (VOD) + conference paper + 10 minute live "rapid"
- Video on demand full length (VOD) + conference paper + 30 minute live "deep dive"

Each session will have 2 "deep dives" and 3 "rapids" spanning our regular session topics.

10 minute Rapid Presentation Sessions

- SOs will be the "Rapid" Presentation Session moderators
- Authors will have a live, focused 10-minute slot (8 minutes focused presentation followed directly by 2 min Q&A) summarizing their main paper's results, that are <u>NOT recorded</u>
- Rapid Presentation Sessions will provide ALL TE authors a space to address questions on their papers and briefly state their results.
- ALL TE authors will also submit a <u>full-length VOD presentation</u> that is available before / during / after the conference (20-25 minutes presentation)

30 minute Deep Dive Paper Sessions

- SOs will be the "Deep Dive" Session moderators
- Live presentations in 30-min slots (20 minute presentations plus 10 min Q&A) that are <u>NOT recorded</u>
- Live presenter can use additional material (labs, simulations, live demos) or just repeat VOD content live
- Smaller committees will be given some threshold to ensure either a daily session or all sessions on one day
- Larger committees will be given one or multiple sessions per timeslot to ensure material is covered
- ALL TE authors will also submit a <u>full-length VOD presentation</u> that is available before / during / after the conference (20-25 minutes presentation)

ASME 2021 Turbo Expo Schedule at a Glance Updated February 1, 2021 ** Time Zone for the Conference is EASTERN TIME

Monday, June 7	Tuesday, June 8	Wednesday, June 9	Thursday, June 10	Friday, June 11
Welcome & Keynote **8:00 - 9:30 am**	Plenary 1 **8:00 - 9:00 am** Awards 9:00 – 9:30 am	Plenary 2 **8:00 - 9:00 am** Awards 9:00 – 9:30 am	Plenary 3 **8:00 - 9:00 am** Awards 9:00 – 9:30 am	Scholar Lecture **8:00 - 9:00 am** Awards **9:00 – 9:15 am** See YOU in 2022! **9:15 – 9:30 am**
Break – Visit the Exhibits, Sponsors, Student Posters, Create your own Roundtable Discussions: **9:30 – 9:45 am**				
Live 5-Paper Session **2-Deep Dive Papers** **9:45 - 10:45 am** 3-Rapid Talks **10:45 – 11:15 am**	Live 5-Paper Session **2-Deep Dive Papers** **9:45 - 10:45 am** 3-Rapid Talks **10:45 – 11:15 am**	Live 5-Paper Session **2-Deep Dive Papers** **9:45 - 10:45 am** 3-Rapid Talks **10:45 – 11:15 am**	Live 5-Paper Session **2-Deep Dive Papers** **9:45 - 10:45 am** 3-Rapid Talks **10:45 – 11:15 am**	Live 5-Paper Session **2-Deep Dive Papers** **9:45 - 10:45 am** 3-Rapid Talks **10:45 – 11:15 am**
Lunch, Dinner, Midnight Snack, Student Posters, Visit Exhibit & Sponsors, or Create your own Roundtable Discussions **11:15 am – 12:15 pm**	**Women in Engineering Networking Event 11:30 am – 12:00 pm** Lunch, Dinner, Midnight Snack, Student Posters, Visit Exhibit & Sponsors, or Create your own Roundtable Discussions **11:15 am – 12:15 pm**	Lunch, Dinner, Midnight Snack, Student Posters, Visit Exhibit & Sponsors, or Create your own Roundtable Discussions **11:15 am – 12:15 pm**		
Live 5-Paper Session **2-Deep Dive Papers** **12:15 - 1:15 pm** 3-Rapid Talks **1:15 – 1:45 pm**	Live 5-Paper Session **2-Deep Dive Papers** **12:15 - 1:15 pm** 3-Rapid Talks **1:15 – 1:45 pm**	Live 5-Paper Session **2-Deep Dive Papers** **12:15 - 1:15 pm** 3-Rapid Talks **1:15 – 1:45 pm**	Live 5-Paper Session **2-Deep Dive Papers** **12:15 - 1:15 pm** 3-Rapid Talks **1:15 – 1:45 pm**	Live 5-Paper Session **2-Deep Dive Papers** **12:15 - 1:15 pm** 3-Rapid Talks **1:15 – 1:45 pm**
Break – Visit the Exhibits, Sponsors, Student Posters, Create your own Roundtable Discussions: **1:45 – 2:15 pm**				
Live 5-Paper Session **2-Deep Dive Papers** **2:15 – 3:15pm** 3-Rapid Talks **3:15 – 3:45 pm**	Live 5-Paper Session **2-Deep Dive Papers** **2:15 – 3:15pm** 3-Rapid Talks **3:15 – 3:45 pm**	Live 5-Paper Session **2-Deep Dive Papers** **2:15 – 3:15pm** 3-Rapid Talks **3:15 – 3:45 pm**	Live 5-Paper Session **2-Deep Dive Papers** **2:15 – 3:15pm** 3-Rapid Talks **3:15 – 3:45 pm**	Live 5-Paper Session **2-Deep Dive Papers** **2:15 – 3:15pm** 3-Rapid Talks **3:15 – 3:45 pm**
Break – Visit the Exhibits, Sponsors, Student Posters, Create your own Roundtable Discussions **3:45 – 4:00 pm**				
Live 5-Paper Session **2-Deep Dive Papers** **4:00 – 5:00 pm** 3-Rapid Talks **5:00 – 5:30 pm**	Live 5-Paper Session **2-Deep Dive Papers** **4:00 – 5:00 pm** 3-Rapid Talks **5:00 – 5:30 pm**	Live 5-Paper Session **2-Deep Dive Papers** **4:00 – 5:00 pm** 3-Rapid Talks **5:00 – 5:30 pm**	Live 5-Paper Session **2-Deep Dive Papers** **4:00 – 5:00 pm** 3-Rapid Talks **5:00 – 5:30 pm**	Live 5-Paper Session **2-Deep Dive Papers** **4:00 – 5:00 pm** 3-Rapid Talks **5:00 – 5:30 pm**

Process for Developing Technical Sessions

Every technical paper session will include:

> Two 30 min deep dive presentations

> Three 10 min lightning talk presentations

Guidelines given in following slides for selecting papers for Deep Dive presentation.

The process for choosing papers will be the following:

> **Step 1:** Track Organizers / Vanguards to rank papers across their track based on quality and other factors (see following slide). (With support from Committee Chair)

> **Step 2**: Draft selection of papers for Deep Dive presentation according to the ranked list.

> **Step 3**: Technical Committee Chairs will review the selection made and if needed provide feedback to the TOs / Vanguards and iterate to achieve the best balance.

> **Step 4:** ASME staff to confirm presentation types with authors.

> **Step 5:** Iteration with TOs/Vanguards to ensure enough Deep Dives across sessions.

> **Step 6:** SOs to communicate with the deep dive presenters on type of presentation intended, particularly if there is non-standard content (demonstrations etc).

ASME
INTERNATIONAL GAS
TURBINE INSTITUTE

Guidelines for 30 Min Deep Dive Presentation Slots

Step 1: Track Organizers to rank papers to make recommendations to Committee Chairs

Factors for Track Organizers
Select papers based on anonymous review scores (guideline score analysis provided)

Step 2: Committee Chairs assess TO recommendations to select Deep Dive talks, taking account of additional criteria.

Factors for Committee Chairs	Weighting (100 pts)
Are there papers suitable for deep dives given the content?	35
Are there papers from each sub-discipline	20
Are there papers from all regions in the world	15
Are there papers from diverse organizations, ie industry, academia, government	15
Are there papers from a diverse group within academia, ie not all papers from one institution	15

Note: If TOs have a conflict of interest in Step 1, the Committee Chairs will make the recommendation; if the Committee Chairs have a conflict of interest or are not comfortable making the decision, the TE2021 Technical Program Chair will decide.

The final decision of the selection rests with the TE2021 Conference Chair

ASME
INTERNATIONAL GAS
TURBINE INSTITUTE

Initial Evaluation of Papers

Recommended Thresholds for evaluation:
- \> 43 Deep Dive
- 39-43 TO discretion
- < 39 Rapid

TO discretion intended to ensure diversity in
- Topics
- Institutions
- Types of Institution (Ind., Gov't, Edu)
- Geographic

These are <u style="color:red">suggested</u> guidelines for TOs
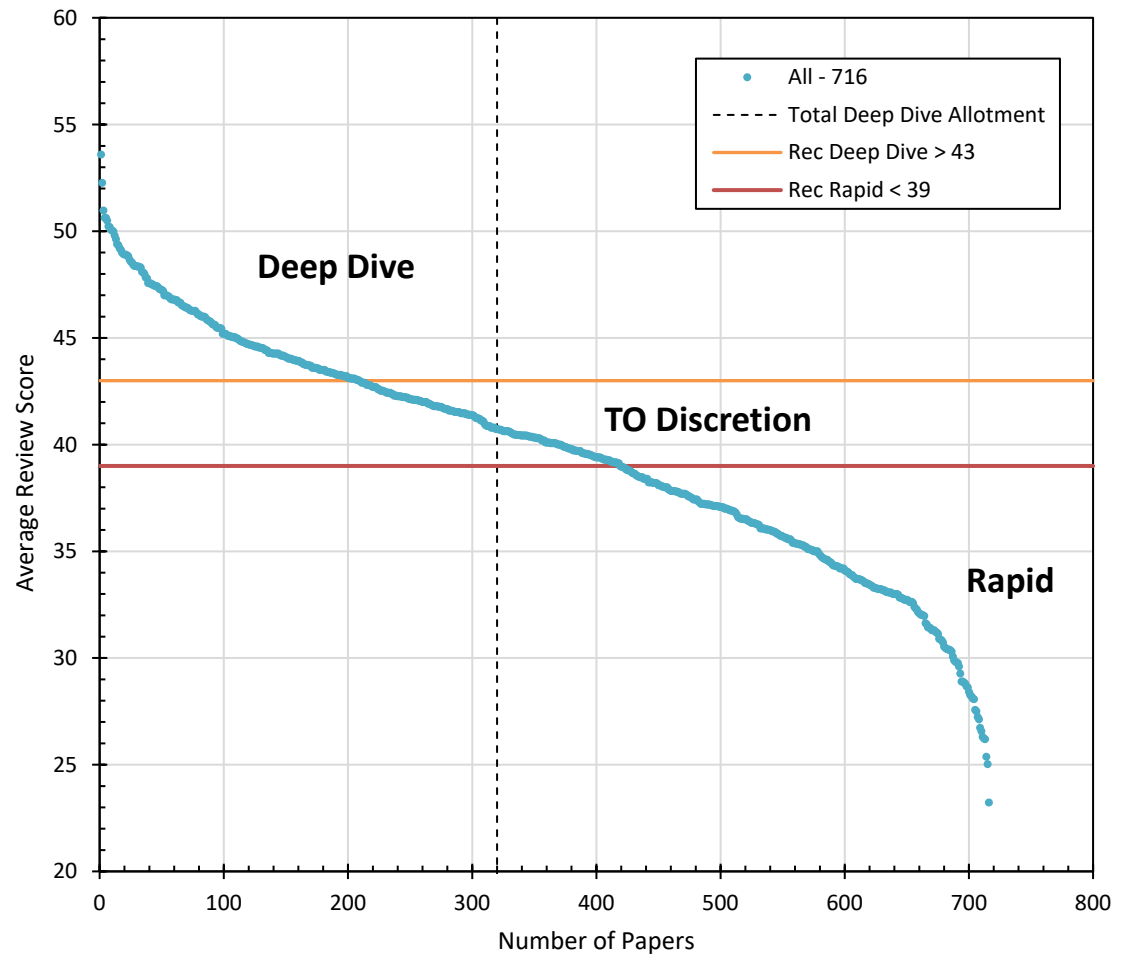
Summary of paper scores as of 2021.02.18
- *Include Revised Draft reviews*
- *Rejected papers not included*
- *Some SO decisions pending*

ASME
INTERNATIONAL GAS
TURBINE INSTITUTE

Overall Technical Session Organization

- TPC to distribute enough slots for all technical committees (sessions of 2 deep dives and 3 lightning).

- The smaller committees will be contacted and be asked to provide their preferences for sessions: concentrated in fewer days or spread over the week.

- Committee chairs to take an overall look at the slots needed for their committee. Communicate with vanguards and with the TPC.

- TOs / Vanguards undertake Step 1 of deep dive selections based on the reviewer scores, and provide a draft list of Deep Dive papers to their Committee Chair.

- Committee Chairs undertake Step 2 and come up with a list of Deep Dives, taking account of the overall balance of papers in the track and what is most suitable for their expected audience. Iterate with TOs as necessary.

- TOs / Vanguards to look at common topics that span several sessions (ie. radial turbine 1, radial turbine 2, etc) and then align them into sessions of 5 papers with a maximum of 2 deep dives per session. There may be a reconsideration of the Deep Dives by the TOs / Vanguards to ensure the maximum Deep Dives is not exceeded.

- Topics that do not span several sessions and have either less than two deep dives or less than five papers will need to merge with near topics within tracks. The maximum number of Deep Dives should not be exceeded.

- Final selection of deep dives will require consent by the presenter (step 4)

- Iteration on final talks to ensure sessions have 3 rapids and 2 deep dives (step 5) will be done by vanguard/TC chairs.

- As sessions are merged into 5-paper sessions, there is likely to be several SOs (chairs, vice-chairs):
    - A SO will work with the deep dive presentation and will moderate the Q&A
    - A second SO will work with the lightning presentations and will moderate the Q&A
- TPC makes the final schedule

TPC (Stephen Spence) - Scheduling TE21

- NOW – Committee Chairs prepare a draft paper allocation for your committee. (Do NOT move any papers at this point).

- Provide TPC with draft session structure, with any relevant comments/preferences for scheduling

- <u>Fill all sessions in your plan</u>

- Take account of Deep Dive selections

- Be aware of time zones

- 16 -23 March – move papers between sessions, update session names

- 23 – 30 March – draft schedule compiled by TPC

- 6 April – comments/revisions on draft schedule

- 13 April – final schedule goes live on TE21 site

Webtool Suggestions for TO (1/2)

1. Organizer Tools
2. Turbo Expo 2021 Actions > List Paper
3. Reviewer Reports > Reviewer Comments
4. CSV file will download

Note: Even if you filter the list, the downloaded file will include all your tracks

Webtool Suggestions for TO (2/2)

The CSV file will have
- Row for <u>each review of each paper</u>, so there will be 3+ rows per paper
- Paper number is listed as "Application Code" in column A
- Average Review Score is column F

Suggestion to reduce to one line per paper in Excel
- Select the Paper Number (Application Code) data
- Go to DATA tab
- Remove Duplicates
  - Prompt 1, select Expand the Selection
  - Prompt 2,
    - Unselect All
    - Select the Application Code column
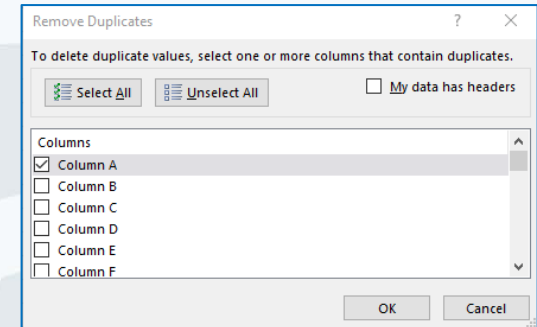
Filter based on Track for evaluation

	A	B	C	D	E	F
1	Applicatic	Round Na	Session N	Track Nam	Category	Average S Sc
2	54322	Draft Pape	43-05 Uns	Turbomac	Technical	41
3	54322	Draft Pape	43-05 Uns	Turbomac	Technical	41
4	54322	Draft Pape	43-05 Uns	Turbomac	Technical	41
5	50001	Draft Pape	43-07 Uns	Turbomac	Technical	38.6
6	50001	Draft Pape	43-07 Uns	Turbomac	Technical	38.6
7	50001	Draft Pape	43-07 Uns	Turbomac	Technical	38.6

Remove Duplicates

Remove Duplicates Warning

Microsoft Excel found data next to your selection. Because you have not selected this data, it will not be removed.

What do you want to do?
- ⦿ Expand the selection
- ◯ Continue with the current selection

Remove Duplicates...   Cancel

Remove Duplicates

To delete duplicate values, select one or more columns that contain duplicates.

Select All   Unselect All   ☐ My data has headers

Columns
- ☑ Column A
- ☐ Column B
- ☐ Column C
- ☐ Column D
- ☐ Column E
- ☐ Column F

OK   Cancel

	A	B	C	D	E	F
1	Applicatic	Round Na	Session N	Track Nam	Category	Average S S
2	54322	Draft Pape	43-05 Uns	Turbomac	Technical	41
3	50001	Draft Pape	43-07 Uns	Turbomac	Technical	38.6

Upcoming Deadlines

- **16 March 2021 Final Paper submission**. Start thinking about how you will move papers to create suitable sized sessions - Please don't move any papers until after this date.
- **23 March 2021 Committee Chairs / Point Contacts / Vanguards to have completed**:
  - moving papers to create 5-paper sessions (first two papers should be Deep-Dive; 3-5th papers should be Rapid Talks)
  - entering all panel sessions in the webtool
  - offering suggestions to Technical Program Chair (TPC) for arrangement of sessions within allocated slots
- **23 March 2021** Author registration deadline. Contact igtiprogram@asme.org with any inquiries regarding the Presenting Author registration deadline date.
- **30 March 2021 Draft Conference Schedule** issued by TPC
- **6 April 2021 Comments from CC/PoC/Vanguards** on Draft Conference Schedule
- **6 April 2021 Video Presentation Submission**
- **9 April 2021** Please confirm that all papers have been assigned to their correct tracks/sessions.
- **13 April 2021 Conference Schedule is live** on the TE21 Site

ASME
INTERNATIONAL GAS
TURBINE INSTITUTE

By Track (note earlier analyses by NS)
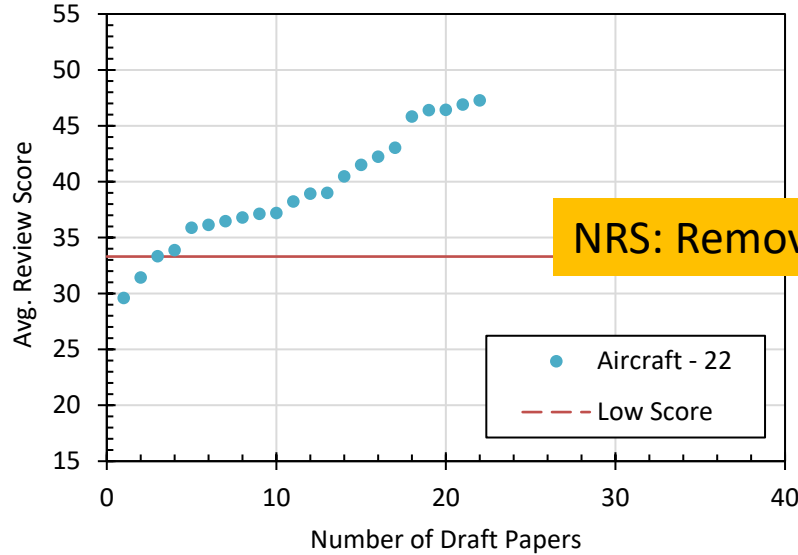
NRS: Remove the by track breakdown

May 9, 2018
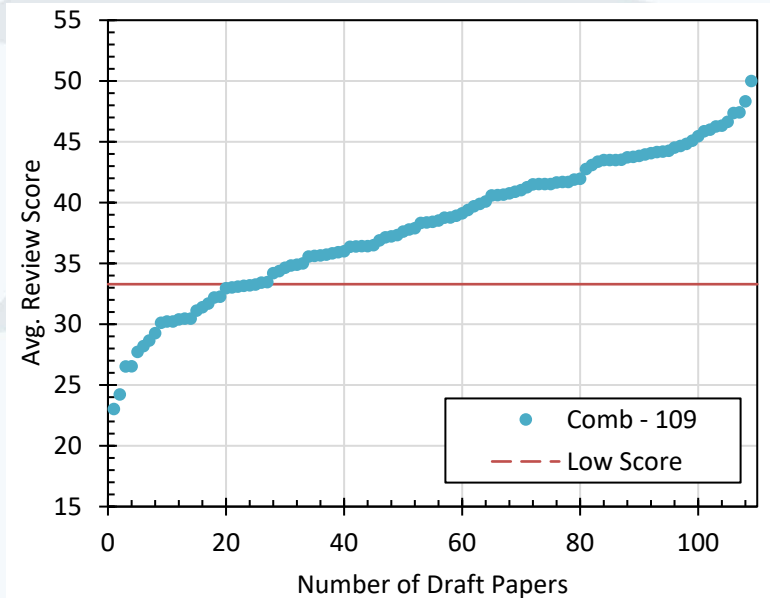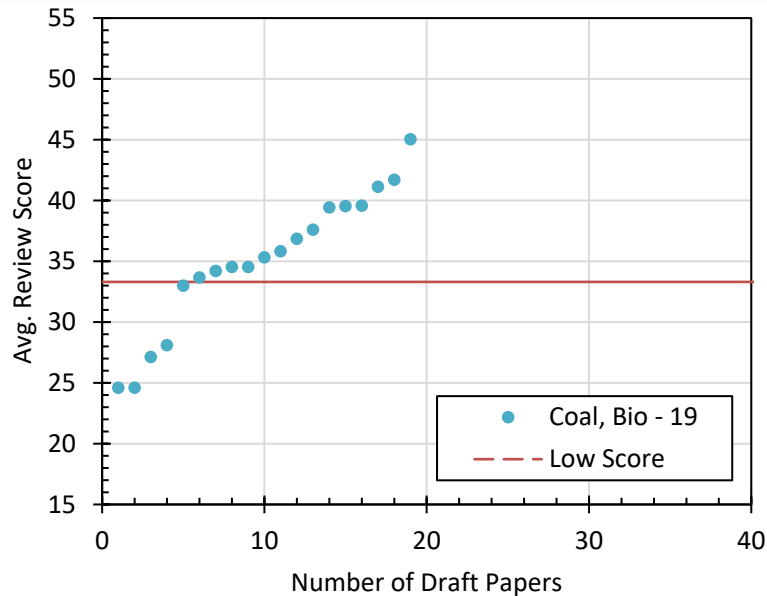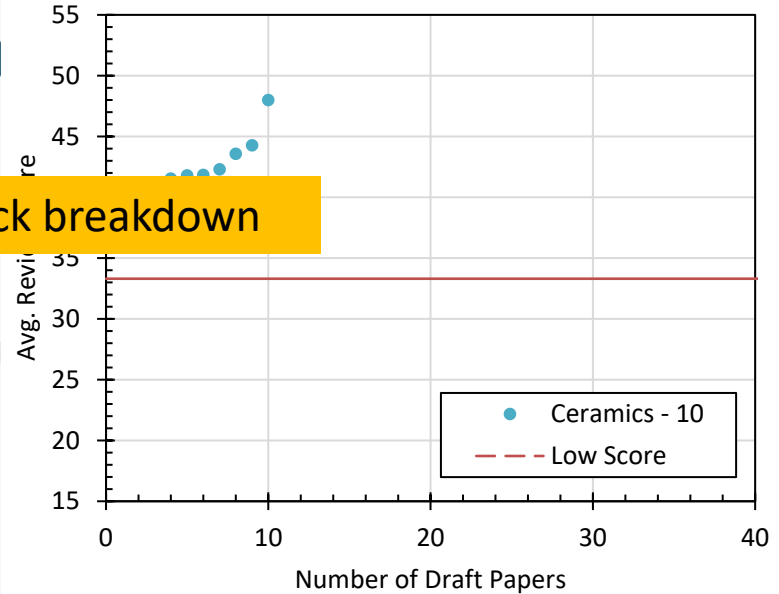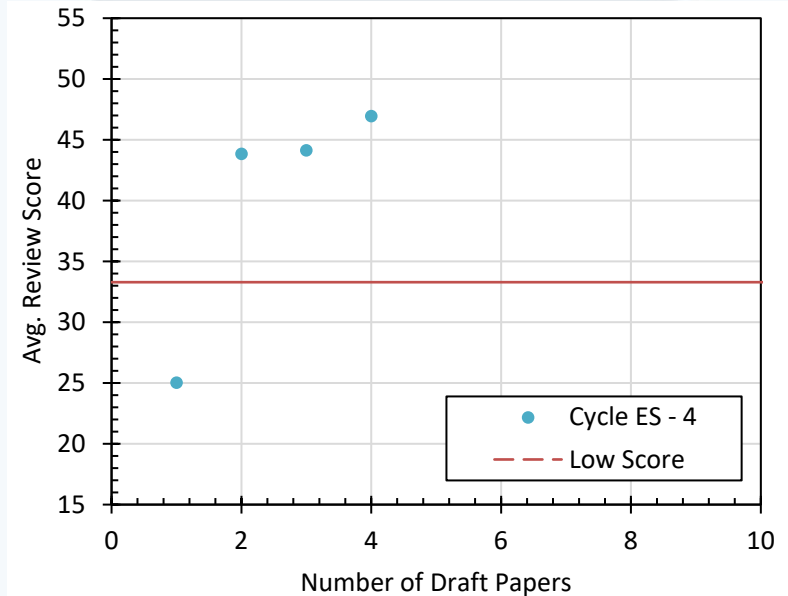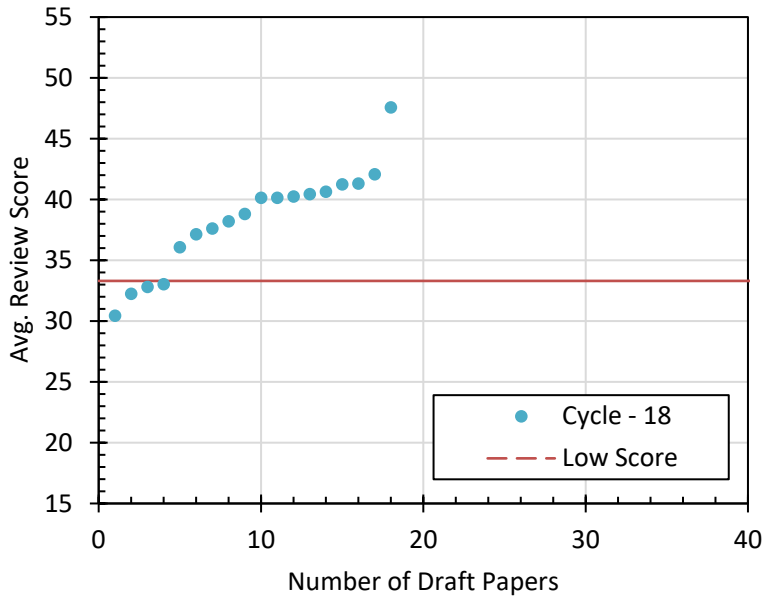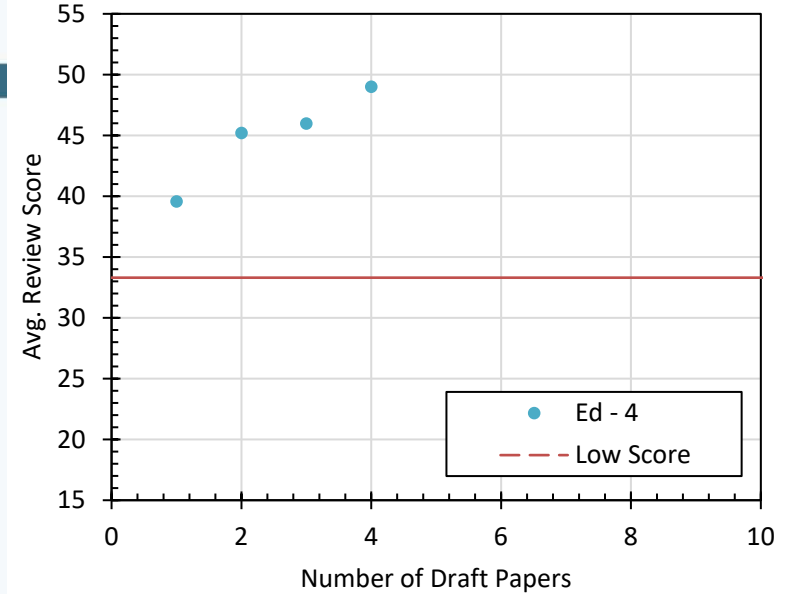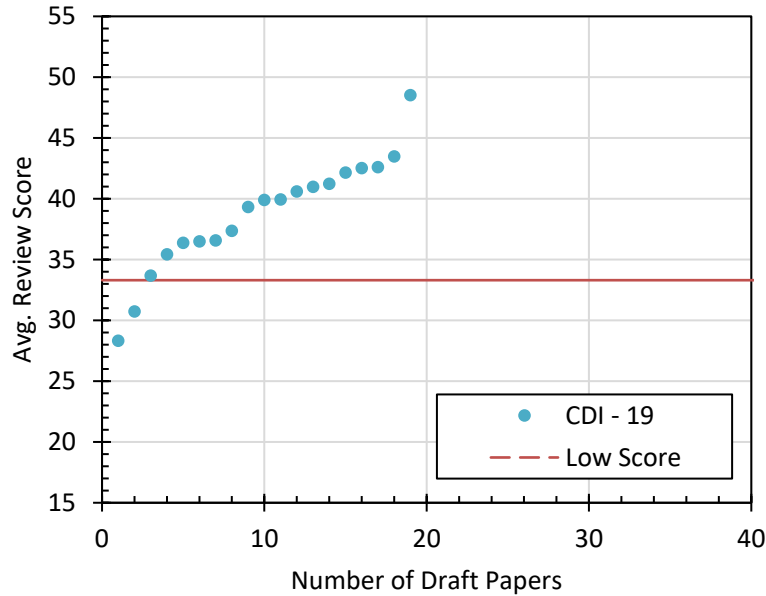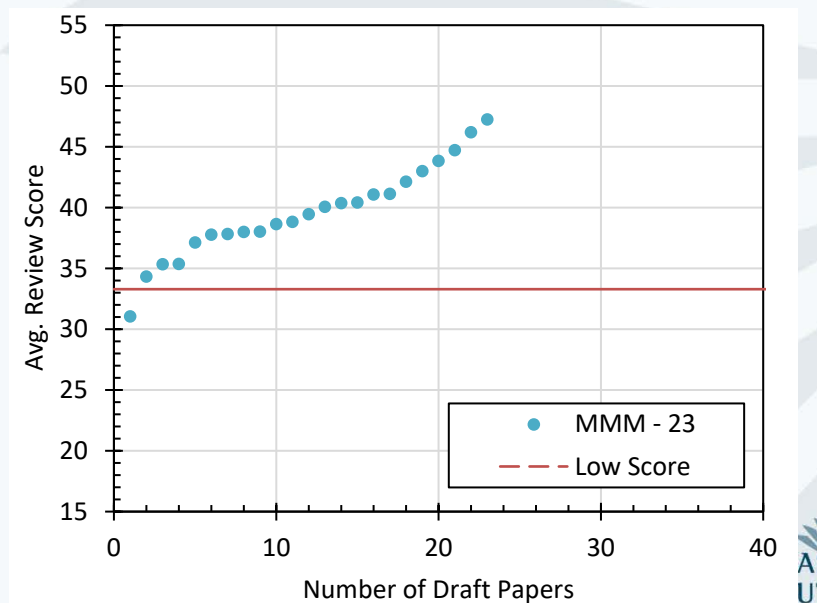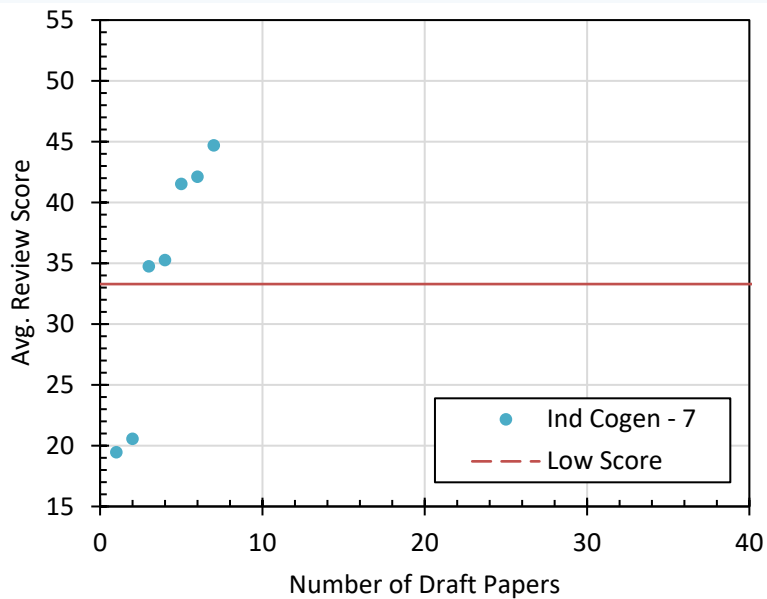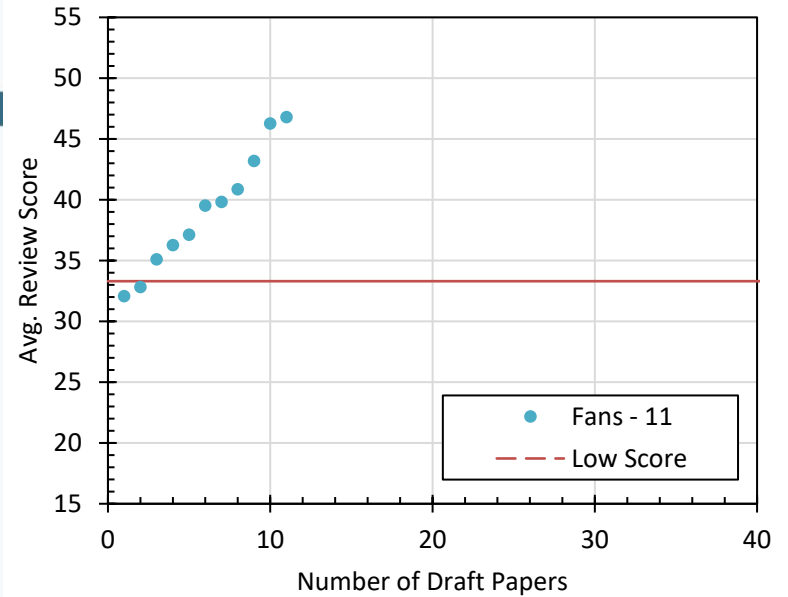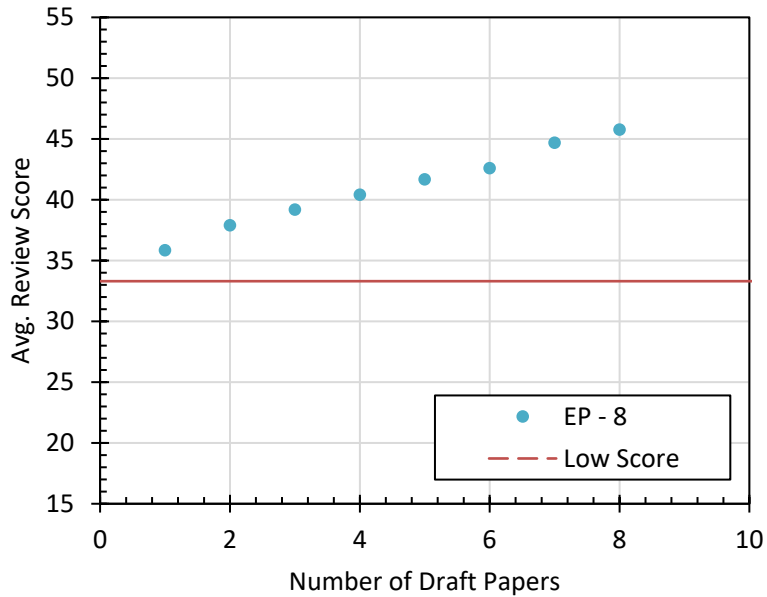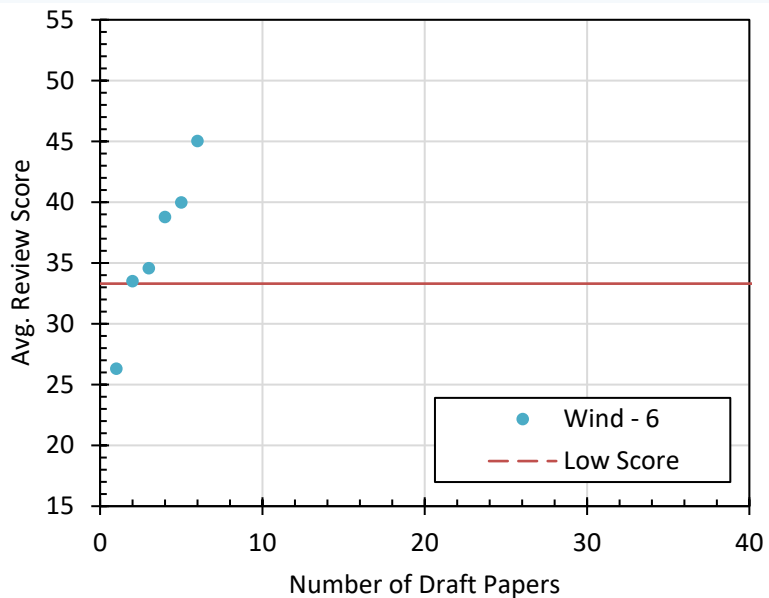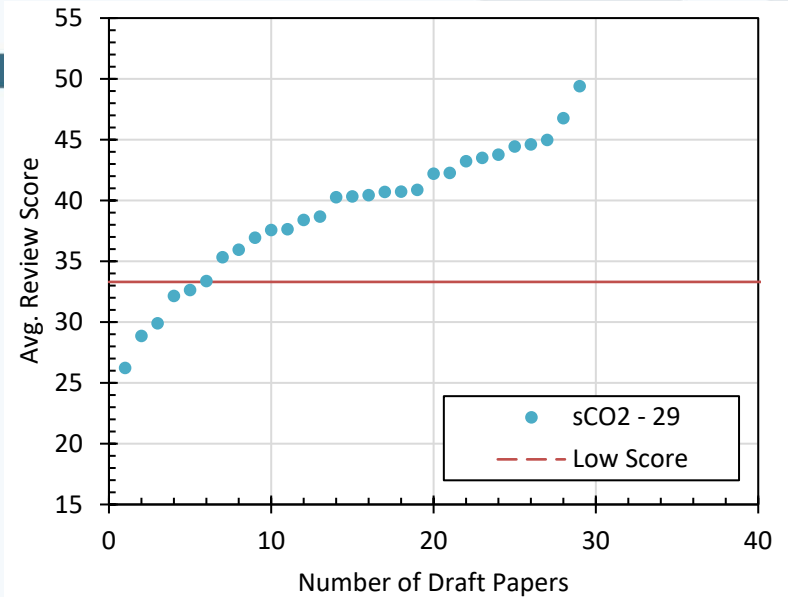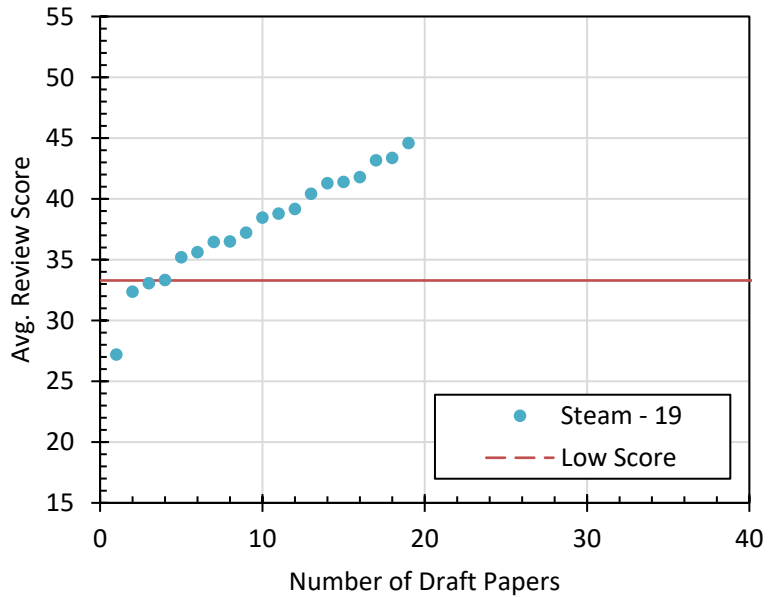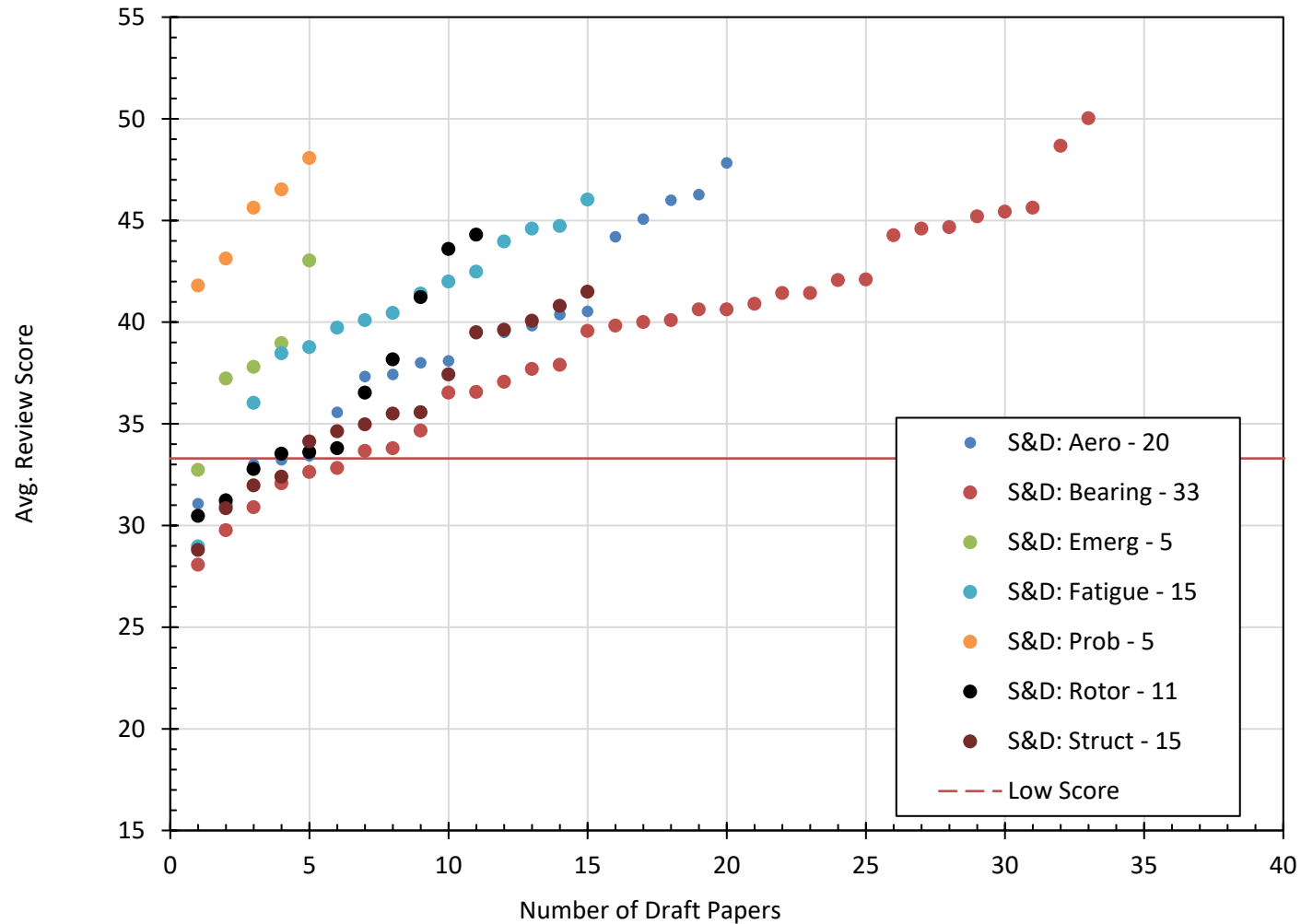
By Track

By Track

Heat Transfer
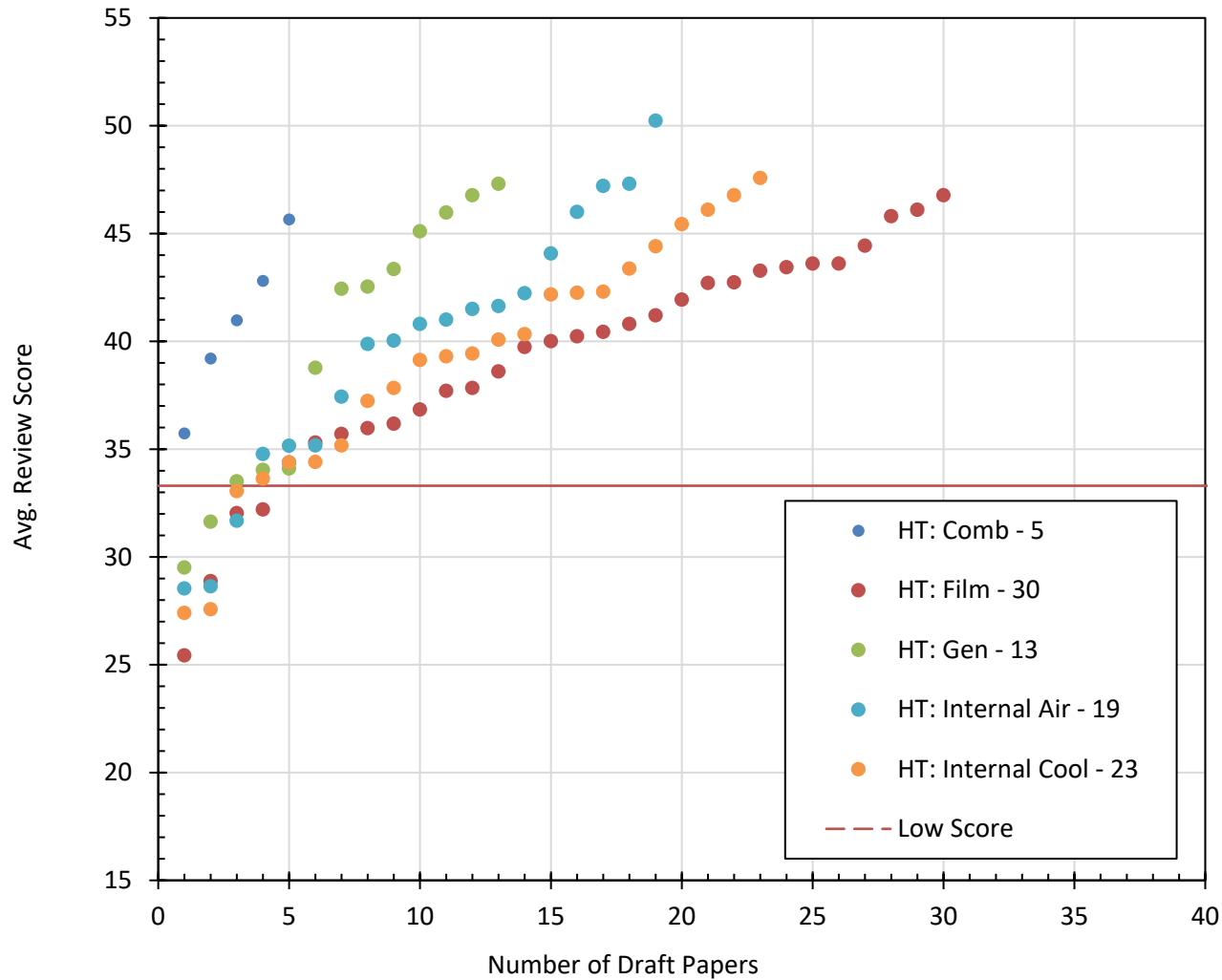
By Track
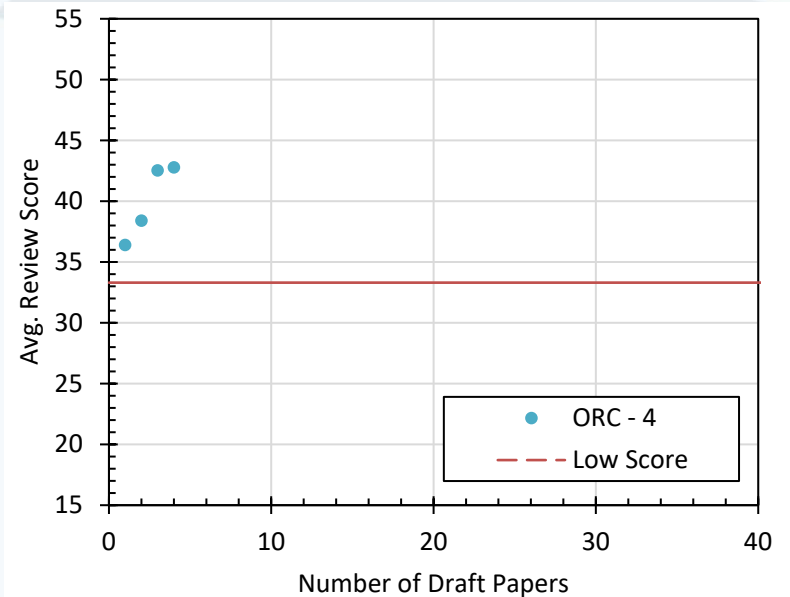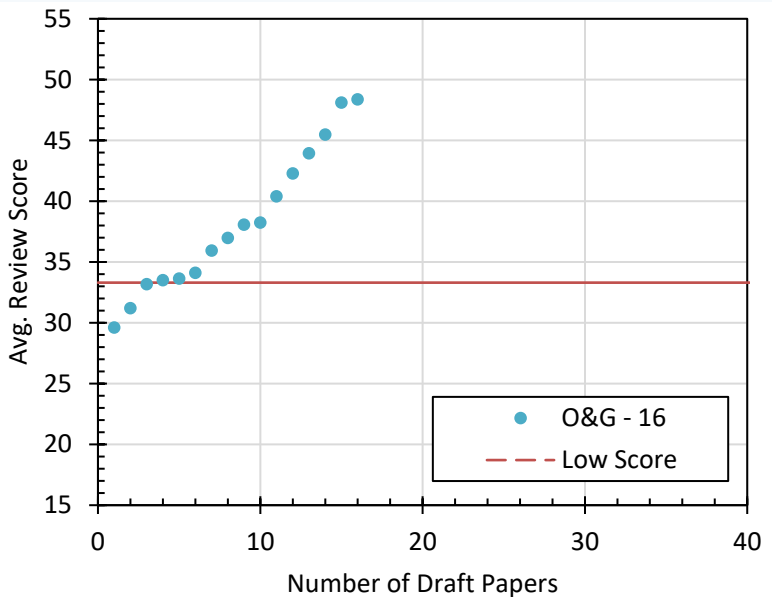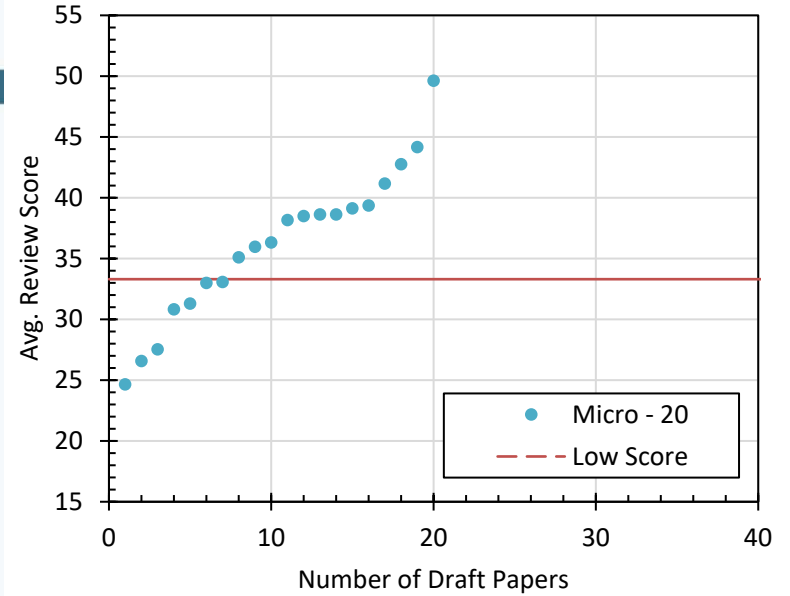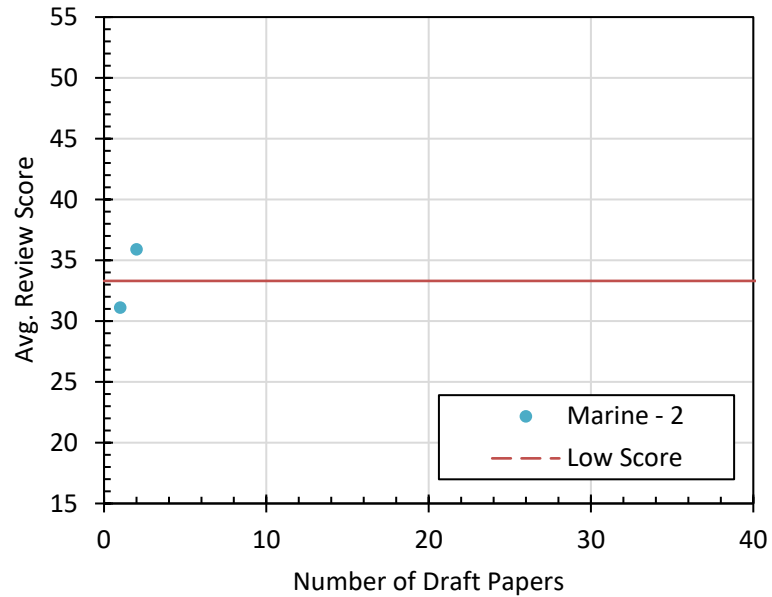
By Track

Structures & Dynamics

Turbomachinery