



Notes

Aug 20, 2025

MLC Science WG

Invited [Geoffrey Fox](#) [science](#) science-b@mlcommons.org
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Attachments [📎 MLC Science WG](#)

Summary

Gregor von Laszewski, Marco Colombo, and Ben Hawks discussed updates on the project, including progress on web page development, Dockerization, and the benchmark carpentry paper. Matt Sinclair, Ben Hawks, and Armstrong Foundjem discussed the storyline and publication venues for a condensed benchmark carpentry paper. Vamshi Mekala was introduced as a new member and requested an overview of the ongoing work.

Details

- **Project Status and Updates** Gregor von Laszewski provided a detailed update on the project, noting that they removed the energy and database sections to create more concise versions and queried Gemini and ChatGPT for hints on creating benchmark carpentry comparisons. They also had a productive meeting with Marco Colombo, explaining the program for disseminating u-ratings in web pages and PDF documents, and explored Dockerization based on Ben Hawks' input, explaining why Condor is not suitable. Marco Colombo reported on front-end work for the repository, including improving the interface with CSS and K docs, and implementing sorting features, while still considering whether to remain within K docs or move to another framework.
- **Web Page Development and Dockerization** Gregor von Laszewski suggested using a plain Docker 2204 image for Docker container pushes and mentioned updating some web page programs. They also recommended using PDF or SVG images for rendering due to their scalability, which would benefit both paper integration and website display. Marco Colombo confirmed they are testing with

MK docs for the web page. Matt Sinclair confirmed that they are open to help with the other papers and will work on getting access to Gregor von Laszewski through Naan. Gregor von Laszewski suggested a framework for table management that separates content from representation by loading into CSS, which Marco Colombo noted.

- **Benchmark Carpentry Paper Progress** Geoffrey Fox inquired about the status of a second paper related to the benchmark carpentry paper, which was clarified by Ben Hawks as a condensed version focusing on benchmark definition, the rating system, and a list of benchmarks, rather than the carpentry aspect. Ben Hawks and Matt Sinclair confirmed that the short paper aims to become a published paper, not just a document. Matt Sinclair explained that this short paper focuses on simplifying the vast space of scientific workloads into manageable subsets for different stakeholders, such as ML Commons members, computer architects, and domain scientists.
- **Collaboration and New Member Introduction** Armstrong Foundjem asked about the storyline of the short paper to identify suitable publication venues. Ben Hawks and Matt Sinclair requested that Armstrong Foundjem share venue suggestions in the chat. Vamshi Mekala introduced themselves as a new member and requested a brief overview of the ongoing work, to which Geoffrey Fox suggested sharing their LinkedIn profile for inclusion in the minutes. Matt Sinclair mentioned they were working on updates for the carpentry paper and would complete them by the end of the night.

Suggested next steps

- Matt Sinclair will finish the updates to the carpentry paper by the end of the day.
- Ben Hawks will review the paper tonight and provide comments.
- Marco Colombo will help with the Docker file using the Ubuntu image.
- Armstrong Foundjem will share venue suggestions in the chat.
- Vamshi Mekala will put a LinkedIn link in the chat for Geoffrey Fox to copy to the minutes.
- Ben Hawks will ping Naan and ask him to grant access to the paper.
- Marco Colombo will email Gregor von Laszewski if a framework is decided.
- Gregor von Laszewski will complete the comparison of what he has already written.

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