

Schedule : Fall 2020

This is the tentative schedule of Mélange group for the Fall 2020 semester.

| WEEK | DATE | TOPIC | PRESENTER |
|------|------------|---|-----------------------------------|
| 1 | 08/25/2020 | Intro meeting | |
| 2 | 09/01/2020 | Simplifying reductions paper | Sanjay Rajopadhye |
| 3 | 09/08/2020 | Optimizing NTT using Spiral for applications in Post Quantum Cryptography github repo | William Scarbro |
| 4 | 09/15/2020 | Meeting canceled | |
| 5 | 09/22/2020 | An Efficient Mixed-Mode Representation of Sparse Tensors paper | Alexandre Dubois |
| 6 | 09/29/2020 | AN5D: Automated Stencil Framework for High-Degree Temporal Blocking on GPUs paper | Louis Narmour |
| 7 | 10/06/2020 | Transformers are Graph Neural Networks article , paper1 , paper2 | Steve Kommrusch |
| 8 | 10/13/2020 | Meeting canceled | |
| 9 | 10/20/2020 | Meeting canceled | |
| 10 | 10/27/2020 | Organizational meeting | |
| 11 | 11/03/2020 | Stripe: Tensor Compilation via the Nested Polyhedral Model paper | Chiranjeb Mondal |
| 12 | 11/10/2020 | | Steve Kommrusch |
| 13 | 11/17/2020 | | Louis Narmour |
| 14 | 12/01/2020 | | William Scarbro or Namita Kharat? |
| 15 | 12/08/2020 | | Alexandre Dubois |

Previous Semesters, including legacy reading lists

1. [Spring 2019](#)
2. [Fall 2019](#)

Standard paper study questions

1. Write a short (max 5 sentences) summary of the paper.
2. What is the problem addressed in the paper?
3. Why is the problem important?
4. How do the authors address the problem?
5. How do they evaluate their approach?
6. What is the punch-line (key cool idea, or “what I got out of this paper”)? This is often different for different people and different from what the authors may have intended.
7. Make a list of deeper questions that you would like discussed in the meeting.

Reading Pool in addition to presented papers above

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Last update: **2020/11/09 10:45**

