The MEV Letter

is a weekly collection of papers, articles and resources related to MEV. The intention of this letter is to provide a comprehensive summary of the latest research, discussions, and developments in the space, with links for further reading.

Papers & Articles

- [TEE-Boost](#) by [@shea](#) proposes a change to MEV-Boost that allows validators to directly accept TEE proofs from builders to reduce, and eventually remove, the role of relays.

- [Thread](#) by [@shea](#)

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- [Flashbots at EthCC 2024](#) by [@Tina](#) details the events hosted by [Flashbots](#) during the week of EthCC, as well as the talks and panels that individuals from Flashbost participated in.

- [Affiliated AMMs and permissionless solving for uniform price batch auctions](#) by [Sergio Yuhjtman](#) outlines ways to reduce MEV and LVR with batch auctions, and introduces affiliated AMMs

.

- [Inclusion List Timing Constraints](#) by [Terence Tsao](#) explores trade-offs related to ILs and the dependencies required for each actor to fulfill their role.

- [Multiple Concurrent Proposers, FOCIL and Preconfirmations](#) by [mempirate](#) discuss how MCP, [FOCIL](#) and proposer commitments, such as preconfirmations, interact.

- [Thread](#) by [mempirate](#)

- [Reply](#) by [Julian Ma](#)

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- [The Road To Based Applications](#) by [rain&coffee](#) explores the current state and potential future of based rollups and preconfirmations.

- [TL;DW: Intents Discussions' Most Intents Takeaways](#) by [Zach Cavanaugh](#) summarizes the talks at [Intents Discussions](#) hosted by [Anoma](#) on intents, solvers, TEEs and more.

- [Preconfirmation Bidding Increased Block Values on Holesky](#) by [Evan Kim](#) presents initial results and observations from running [mev-commit](#) on Holešky to execute preconfirmations.

- [Thread](#) by [Primev](#)

- [Thread](#) by [Primev](#)

Posts & Threads

- [@sui414](#) published a [thread](#) summarizing their latest research with [Burak Öz](#), [Thomas Thiery](#), and [Florian Matthes](#) on [Who Wins Ethereum Block Building Auctions and Why?](#)

- [defi guy](#) published a [thread](#) exploring the implications of implementing MCP with regards to MEV, censorship resistance, and application design.

- [Luban](#) published a [post](#) to announce that their modified version of [rbuilder](#) is landing preconfirmations of the Helder testnet via [Commit-Boost](#).

- [St1ng3R](#) published a [thread](#) sharing their tech stack and the tools used as a searcher.

- [Potuz](#) published a [thread](#) arguing that slot auctions negatively impact locally built blocks when proposers compare them to blocks sourced from builders.

- [Toni Wahrstätter](#) published a [post](#) highlighting the recent decline in the share of blocks sourced from censoring builders, from approximately 60% to 10%.

- [Matt Fiebach](#) published a [post](#) to highlight an increase in block rewards from MEV-Boost due to the volatility on August 5th, with over 2500 ETH sent to proposers in one hour.

Talks & Discussions

- [Livestream recording](#) from [MEV-SBC'24](#) hosted by [Flashbots](#) is available with talks that highlight MEV research from the past year, as well as new areas of research.

- [Agenda](#) by [@sarah.allen](#)

- [Thread](#) by [@sarah.allen](#)

- [Thread](#) by [@Tina](#)

- [Agenda](#) by [@sarah.allen](#)

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- [Thread](#) by [@Tina](#)

- [Recordings](#) from [TEE.salon](#) hosted by [Flashbots](#) have been uploaded:

- [TEE Stack Potential, Reminder about Tech Debt, Bargaining bots concept](#) by [Andrew Miller](#)

- [Quartz: A privacy Preserving TEE Sidecar for CosmWASM](#) by [Ethan Buchman](#)

- [qtee Moving Towards Open Source & Verifiable Secure-through-Physics TEE Chips](#) by [Sylvain Bellemare](#)

- [Web Proofs: Add internet data to onchain apps](#) by [Tracy Livengood](#)

- [Designing Open Processors for the Next Generation of Cryptography](#) by [Michael Gao](#)

- [TEE Block Building](#) by [Shea Ketsdever](#)

- [Intel TDX Demos](#) by [Moe Mahhouk](#)

- [What applications do TEEs enable?](#) by [Xinyuan Sun](#) and [Ryan MacArthur](#)

- [TEE in Decentralized AI](#) by [Hang Yin](#)

- [A complete Web3-based DCAP attestation framework](#) by [Zheng Leong](#)

- [Forum post](#) by [@Tina](#)

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- [A complete Web3-based DCAP attestation framework](#) by [Zheng Leong](#)

- [Forum post](#) by [@Tina](#)

- [Recordings](#) from [Liquidity.salon](#) hosted by [Flashbots](#), [PropellerHeads](#), and [Uniswap Foundation](#) have been uploaded:

- [Making Onchain Liquidity Great Again](#) by [Markus Schmitt](#)

- [Panel: MEV & LVR](#) with [@bert](#) , [Max Resnick](#), [Karthik Srinivasan](#), [Ed](#), and [Markus Schmitt](#)

- [Panel: Information Flow Control](#) with [Andrew Miller](#), [Henry de Valence](#), [Christopher Goes](#), [Davie](#), and moderated by [Tarun Chitra](#) and [Anna Rose](#)

- [Forum post](#) by [@Tina](#)

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- [Panel: MEV & LVR](#) with [@bert](#) , [Max Resnick](#), [Karthik Srinivasan](#), [Ed](#), and [Markus Schmitt](#)

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- [Forum post](#) by [@Tina](#)

- [AltLayer Rollup Day](#): [Where Rollups Go From Here](#) by [@bert](#) discusses potential next steps for rollups related to ordering, proposing, preconfirmations, and MEV.

- [Slides](#) by [@bert](#)

- [Slides](#) by [@bert](#)

- [Optimistic Gathering](#): [Interoperability: a block builder perspective](#) by [@dmarz](#) covers the role of block builders and details an interop builder PoC for the OP Stack.

- [Slides](#) by [@dmarz](#)

- [Slides](#) by [@dmarz](#)

- [BRAID: Implementing Multiple Concurrent Block Proposers](#) by [Max Resnick](#) presents a design for MCP with multiple instances of Ethereum consensus running in parallel.

- [Thread](#) by [Charlie Noyes](#)

- [Post](#) by [Dan Robinson](#)

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- [Post](#) by [Dan Robinson](#)

- [Chain Abstraction Educate: The CAKE Framework](#) by [Ankit Chiplunkar](#) provides an overview of chain abstraction and the [CAKE Framework](#).

- [Ethereum Sequencing and Preconfirmations Call #12](#) hosted by [Justin Drake](#) invited speakers from [Bolt](#), [Gattaca](#), [Primev](#), and [Switchboard](#) to present recent developments and research related to preconfirmations.

- [Agenda](#) by [Josh Rudolf](#)

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- [Indexed Podcast](#): [ETH ETF Review, Polymarket, US Election/Regulation, and more](#) by [hildobby, Boxer](#), and [@sui414](#) discuss recent onchain data, MEV, and more.

- [Post](#) by [Indexed Podcast](#)

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- [ePBS (EIP-7732) breakout room #6](#) hosted by [Potuz](#) covered the latest progress and implementation status of [EIP-7732](#).

- [Agenda](#) by [Potuz](#)

- [Notes](#) by [Terence Tsao](#)

- [Post](#) by [Potuz](#)

- [Agenda](#) by [Potuz](#)

- [Notes](#) by [Terence Tsao](#)

- [Post](#) by [Potuz](#)

- [Infinite Jungle: ACDE #193: Should Quantum Resistance Be the Priority After Pectra?](#) by [Christine Kim](#) summarizes [ACDE #193](#) that included discussions of Pectra, quantum resistance and new EIPs.

- [Notes](#) by [Christine Kim](#)

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Other

- [DarkPool.Design Researchathon: Quoting Strategies @EthCC](#) by [Kenneth Ng](#) shares a readout from a session at [DarkPool.Design](#) on providing quotes in dark pools.

- [Thread](#) by [Markus](#)

- [Thread](#) by [Markus](#)

- [Block construction session](#) by [Barnabé Monnot](#) shares notes from research sessions by [RIG](#) on ILs, ePBS, APS, and MCP.

- [\[Request for Support – ARDC Research Member\] Comparison of MEV Solutions (Timeboost/MEV-Boost/FastLane)](#) by [Entropy Advisors](#) requests an analysis that compares Timeboost, MEV-Boost, and FastLane.

Upcoming events

- Aug 7-9

: [The Science of Blockchain Conference 2024 (SBC'24)](#) by [IC3](#), [Stanford Center for Blockchain Research](#) and [UC Berkeley RDI](#).

- Aug 16-17

: [Frontiers](#) by [Paradigm](#) * [Thread](#) by [Georgios Konstantopoulos](#)

- [Thread](#) by [Georgios Konstantopoulos](#)

- Aug 20-27

: [MEV TOKYO](#) by [Titania Research](#)

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