

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.

See our [Transparency Reports](#) for deeper dives into updates related to Flashbots.

Papers & Articles

- [Structural Advantages For Integrated Builders In MEV-Boost](#) by [SMG](#) investigates latency advantages in MEV-Boost and why integrated searcher-builders are able to outcompete neutral builders.
- [Thread](#) by [SMG](#)
- [Thread](#) by [SMG](#)
- [This is not the SUAVE you are looking for](#) by [Anoma](#) explores how SUAVE can transform the development of MEV applications and foster a more open and innovative MEV ecosystem.
- [Fair Exchange in Proposer-Builder Separation](#) by [Espresso Systems](#) looks at fair exchange between builders and proposers with HotShot as the underlying consensus protocol.
- [Thread](#) by [Espresso Systems](#)
- [Thread](#) by [Espresso Systems](#)
- [UniswapX — A Deep Dive](#) by [Arjun Chand](#) dives into the architecture of UniswapX and the potential impact it can have on the future of DeFi.
- [Thread](#) by [LI.FI](#)
- [Thread](#) by [LI.FI](#)
- [In a post MEV-Burn world - Some simulations and stats](#) by [Toni Wahrstätter](#) presents findings from analyzing the potential impact of MEV-Burn on consensus layer incentives.
- [Quick notes on Blocknative vs Mempool Dumpster data initiatives](#) by [Thomas Thiery](#) compare [Mempool Data Program](#) and [Mempool Dumpster](#) and analyze their key differences.
- [Spec'ing out Forward Inclusion-List w/ Dedicated Gas Limits](#) by [Terence Tsao](#) outlines the required modifications for implementing [forward inclusion list](#).
- [MEV-Share, Flashbots' MEV Redistribution Solution](#) by [EigenPhi](#) looks at a real-world example of MEV-Share where a user received 90% of the MEV they created by a searcher backrunning their swap.

Posts & threads

- [New MEV-Share Client Libraries](#) by [brock](#) announce client libraries for MEV-Share in [Rust](#), [Go](#), [Java](#), [Python](#) and [TypeScript](#) thanks to the work of [Matthias](#), [Frankie](#), [ZigaMr](#), [duoxehyon](#) and [GrapeBaBa](#).
- [Tidreseat.ch](#) published a [thread](#) to announce a cohort of 10 research fellows that will explore topics such as MEV auctions and Block Bidding Economics on MEV-boost.
- [Simon Brown](#) published a [thread](#) summarizing his recent paper; [Measuring the Concentration of Control in Contemporary Ethereum](#) that introduced a model for measuring the decentralization of blockchains over time.

Talks & Discussions

- [Bell Curve: The Essential Guide to General and App-Specific Order Flow Auctions](#) invites [Robert Miller](#) and [Xin Wan](#) to compare OFA designs like MEV-Share and UniswapX to traditional order books by analyzing capital efficiency, fairness, and susceptibility to manipulation.
- [Post](#) by [Darren Kleine](#).
- [Post](#) by [Darren Kleine](#).
- [Exploring the future of the Ethereum Virtual Machine](#) by [Devconnect](#) invites [Danno Ferrin](#), [Alex Beregszaszi](#) and [Ansgar Dietrichs](#) to discuss the upcoming [EVM Summit](#) in Istanbul on November 14th.

Other

- [Consensys Acquires SMG](#) by [Consensys](#) announce the acquisition of SMG to enhance the way users, developers and businesses interact with the blockchain.
- [Freerpc.merkle.io](#) by [merkle](#) is a free RPC powered by [reth](#) that offers unlimited requests without throttling.

[Sign up here

](<https://forms.gle/Qr6MEUKVa13TDipW6>) if you'd like to get The MEV Letter straight to your inbox!

[Previous editions of The MEV Letter](#)

[Join Flashbots

](<https://www.flashbots.net/jobs>)