

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

- [DAO Decentralization: Voting-Bloc Entropy, Bribery, and Dark DAOs](#) by [James Austgen](#), [Andrés Fábrega](#), [Sarah Allen](#), [Kushal Babel](#), [Mahimna Kelkar](#) and [Ari Juels](#) introduce Voting-Bloc Entropy

(VBE) to formalizes a broad notion of decentralization in DAO voting, and present the first practical realization of a Dark DAO.

- [Sequencers and Maximal Extractable Value](#) by [David Cao](#), [Sofia Wawrzyniak](#) and [Brandon Wang](#) examines multiple designs of rollup sequencers with a focus on MEV and decentralization.
- [FRP-29: Research on MEV in L2 Blockchains](#) by [David Cao](#)
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- [Dr. changestuff or: how i learned to stop worrying and love mev-burn](#) by [Mike Neuder](#) presents protocol benefits of MEV-Burn and clears up some common misconceptions.
- [MEV burn: Incentivizing earlier bidding in “a simple design”](#) by [Anders Elowsson](#) presents a design for MEV-Burn that incentivize earlier bidding by rewarding builders who submit the winning bid at the observation deadline.
- [Minimum Viable Issuance](#) by [Anders Elowsson](#) delves into Ethereum’s staking economics and the balance between user utility, network security, and economic sustainability.
- [Thread](#) by [Anders Elowsson](#)
- [Thread](#) by [Anders Elowsson](#)
- [The Costs of Censorship: A Modeling and Simulation Approach to Inclusion Lists](#) by [Thomas Thiery](#) provides a framework to evaluate the impact of network conditions and inclusion list designs on various censorship resistance metrics.
- [Thread](#) by [Thomas Thiery](#)
- [Thread](#) by [Thomas Thiery](#)
- [Based preconfirmations](#) by [Justin Drake](#) show how [based rollups](#) (and based validiums) can offer users preconfirmations on transaction execution.
- [Validator Smoothing Commitments](#) by [Jason Vranek](#) propose Smoothing Commitments

to improve permissionless liquid staking protocols by requiring node operators to pay upfront to run a validator.

- [The Impact of Uniswap X on the DEX Ecosystem](#) by [Orange Finance](#) explores the impact Uniswap v4 and Uniswap X could have on the DEX landscape.
- [Thread](#) by [Orange Finance](#)
- [Thread](#) by [Orange Finance](#)
- [A sneak-peek at validator side MEV optimization](#) by [Chorus One](#) shares the results of a recent pilot aimed to minimize the occurrence of missed slots, and increasing validator rewards.
- [RIP MEV Bot 2](#) by [rekt](#) details the loss of \$2 million by a searcher bot due to an unprotected swap function in its code.

Posts & threads

- [Demystifying remote attestation by taking it on-chain](#) by [Andrew Miller](#) demonstrates how to verify SGX remote attestations using Solidity smart contracts with [RAVE](#) from [Puffer Finance](#).
- [Thread](#) by [Andrew Miller](#)
- [Thread](#) by [Andrew Miller](#)

- [Blockchain Monitoring is MEV. Always was](#) by [Odysseas](#) looks at the monitoring, detection and mitigation of onchain exploits and how incident response is coupled with MEV activity.
- [Forum post](#) by [Odysseas](#)
- [Forum post](#) by [Odysseas](#)

Talks & Discussions

- [Bell Curve: A Deep Dive into Batch Auctions](#) invites [Anna George](#) and [Ludwig](#) to discuss how batch auctions and CoW hooks mitigate MEV, and how the Angstrom project by Sorella Labs' tackles LVR.
- [Deciphering Private Orderflow in MEV w/ Blocknative and Fastlane Labs](#) hosted by [Fenbushi Capital](#) invites [Alex Watts](#) and [Blair Marshall](#) to explore private order flow markets and the operations of [FastLane on Polygon](#) and [Blocknative](#).
- [Do You Need to Protect Yourself from MEV?](#) hosted by [DODO](#) invites [Matt Cutler](#) to give an overview of MEV, and how users can protect themselves through private transactions.

Other

- [libMEV](#) by [Cryptic Woods](#) is a dashboard and bundle explorer with data on searchers and bundles since the Merge.
- [Thread](#) by [Cryptic Woods](#)
- [Thread](#) by [Cryptic Woods](#)
- [Toni Wahrstätter announced](#) a maintained list of OFAC sanctioned ETH addresses for research purposes.
- [Ulisse](#) by [Chainbound](#) is an Ethereum network topology explorer visualizing the geographical distribution of nodes.
- [Thread](#) by [Chainbound](#)
- [Thread](#) by [Chainbound](#)
- [suave-playground](#) by [Miha Lotric](#) is a guide for setting up a local environment to build and submit Goerli blocks to Flashbots relay using SUAVE.
- [Thread](#) by [Miha Lotric](#)
- [Thread](#) by [Miha Lotric](#)

Upcoming events

- Nov 15

: [ETHconomics](#) by [Robust Incentives Group](#) will highlight economic problems on Ethereum with a focus on transaction fee mechanisms, staking economics and AMM mechanism design.

- Nov 16-17

: [Programmable Cryptography Conference](#) by [0xPARC](#) and [PSE](#) is a two day event focused on next-generation cryptography, applied cryptography, zkSNARKs and MPC.

- Nov 17

: [UNISUAVE Researchathon](#) by [Flashbots](#) and [Uniswap Foundation](#) will explore what SUAVE and Uniswap v4 hooks can uniquely enable.

- Nov 18

: [censorship.wtf](#) by [T&T](#) will explore censorship resistance across the entire Ethereum stack with speakers presenting from both Istanbul and Prague.

- [Public Flashbots collective calendar](#) have extensive information on all talks, panels and workshops by Flashbots during Devconnect, and beyond.

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