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DINR 2020 Virtual Workshop

<https://ant.isi.edu/events/dinr2020/index.html>

Abstract submission for presentation

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Title: "Complementing DNS with ENS" (abstract)

Time: <10 minutes

Abstract:

Blockchain technology need not entail a "revolution," or a replacement and "overthrow" of the current DNS. Rather, blockchain technology can complement and expand the usefulness of the existing DNS namespace and infrastructure in parallel, focusing on use cases not suited for or possible on DNS, leaving the proper functioning of DNS untouched.

To that end, I will discuss the recent integration of all DNS TLDs that have the necessary DNSSEC enabled (+1200) into the open source project the Ethereum Name Service (ENS). This enables people to use their existing DNS names in the ~150 applications in the blockchain industry with ENS integrated. I will explain how 2LD owners can use DNSSEC to claim their corresponding DNS name on ENS, comparing the benefits and limitations of DNS names on ENS compared to both DNS names on DNS and ENS-native names on ENS. As a side effect, the benefits of using a DNS name on ENS can also be used to drive further adoption of DNSSEC, which is beneficial for DNS in general.