It is our belief that the future of the Internet is based on the MobilityFirst architecture.

As the name suggests, the MobilityFirst project aimed to solve the issue with mobility and the digital world. To put this into context, mobile devices outnumber wired devices, yet the infrastructure and architecture has not changed since wired devices gained popularity (Ding et. al., 2016). MobiltyFirst has many advantages over its archaic predecessor:

- Its scalable
- More secure
- More trustworthy

This is done by three processes. The Decentralised Name Certification Service (NCS) helps to join human-readable names to the Globally Unique Identifier (GUID), which are cryptographically verified. The Global Name Resolution Service (GNRS) maps the (GUID) to the Network Address (NA) which enables better connective mobility. Finally, the Storage and Computing Layer allows for fast introduction of services that does not affect current bandwidth.

References

Ding, W., Yan, Z. and Deng, R.H. (2016) A Survey on Future Internet Security Architectures. IEEE Access, 4, pp.4374–4393. doi: 10.1109/ACCESS.2016.2596705.