https://en.wikipedia.org/wiki/Paul_Mockapetris

CS 118 Computer Networks

Thursday April 7 @ 15.00

Universita di Bologna - Campus Di Cesena
Aula Magna Carmen Tura
Via Dell'universita 50 - Cesena FC

Paul Mockapetris
Threat Stop

DNS Roots

The Domain Name System was designed to fit within the constraints of the times, and had to do host name lookups. But it was really designed to be much more: an extensible database. Extensible both in terms of the datatypes it could convey, but also as a minimal system that could be extended with new new functions. The resulting design has had hundreds of RFCs extending it. In this talk we will look at the background behind the DNS, evaluate the rationale(s) behind the original design, and look at how well the original design anticipated the evolution that took place.

Biography

Paul Mockapetris is best known as the creator of the Domain Name System (DNS), and wrote the first implementation of SMTP, the Internet's mail protocol . At present, he is a director and Chief Scientist at Threatstop, a realtime threat prevention service.

He was chair of an ICANN Strategic Panel, Chief Scientist and board member of Nominum, CTO at Urban Media, Siara, Fiberlane, and Software.com and director of engineering at @Home. He has been IETF chair, program manager at ARPA, and did 15 years of research at the USC Information Sciences Institute, 10 years at UC Irvine with the DCS project, and 4 years at MIT with the Architecture Machine Group before it became the Media Lab.

He received his learner's permits in Physics and Electrical Engineering from the MIT in 1971, and a Ph.D. in Information and Computer Science from UC Irvine. He is a member of the Internet Hall of Fame, and is Doctor Honoris Causa of the Miguel Hernandez and Ramon Llull Universities. He is the recipient of the ACM Software System Award, IEEE Internet award and the ACM Sigcomm award, and is a Fellow of the ACM, IEEE and the US National Academy of Engineering.

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Agenda

All Times: GMT+1

15.00: Welcome (university and local authorities)

15.15: "DNS Roots" by Paul Mockapetris

16.00: Q&A

Also on-line via Teams at:

https://bit.ly/3wHMLex

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