WHINe: What's Hot In Networking?

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Networking 101

A network is a bunch of interconnected computers

Networking is the "science" of networks

- theory: queuing, information, control
- systems: protocols, building stuff

WHINe

Security: viruses, worms, spam, DoS
- we don't do much
- related to OS, PL/compilers, AI, and maybe software engineering

Internet routing (BGP: burning issue of the day)
- we do stuff: detour (old); krishna and ratul (new)

Measurement (most active)
- this is us: Rocketfuel, Scriptroute, tulip, p2p systems
- related to AI (data mining and inferences)

WHINe (contd.)

Non-wired networks (wireless, sensor, intermittent)

- we just started: Catch
- related to EE side of networking, graph theory (routing)

DHTs, information management (sensor nets)

- we don't do much
- related to DB, and maybe AI

Internet evolution

- nobody does anything

In-house information

Faculty members:

- *pros:* Tom Anderson, David Wetherall
- *dabblers:* Steve Gribble, Hank Levy, John Zahorjan

Graduate students:

- *recently graduated:* Neil Spring, Stefan Saroiu
- *graduating:* Krishna Gummadi, Ratul Mahajan, Andrew Whitaker
- *others:* Andy Collins, Ankur Jain, Harsha Madhyastha, Charlie Reis, Maya Rodrig, Gang Zhao