



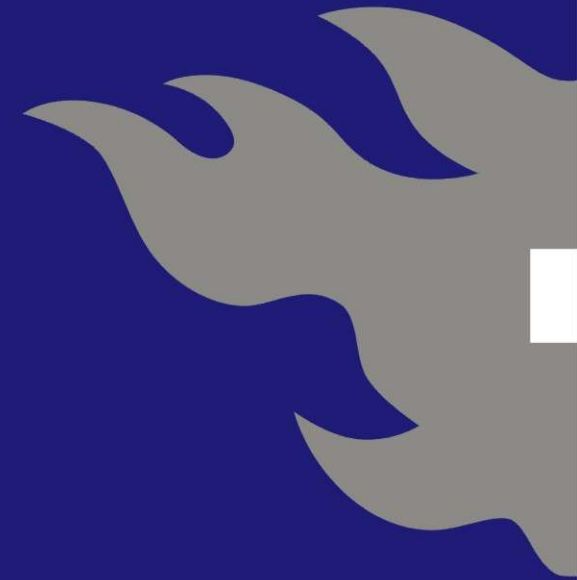
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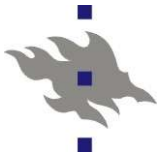
# Roaming Network Access at the University of Helsinki

EuroCAMP 2005, Torino

**Viljo Viitanen**

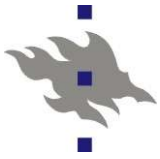
**University of Helsinki / IT Department**





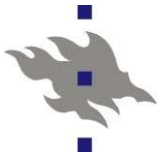
## HUPnet

- Helsinki University Public Network
- Self-made network access controller software based on Debian Linux – production use since early 2001
- WWW based authentication (just like the wireless network here and almost everywhere else)
- Private IP addresses for clients (NAT)
- Static Ethernet MAC address is set on login



## Shibbolized HUPnet

- Works now, no additional software or drivers required on client computers
- Role-based authorization (we at UH currently give access only to eduPersonAffiliation employee)
- https connection to the home organization – password is not the only option
- Unauthenticated access to origin (and login) servers is required



## The End

- HUPnet is free (as in speech and beer) software, available at <http://hupnet.sourceforge.net/>
- In use in two other Finnish universities
- Shibboleth@UH: User permission (y/n) for giving personal data to third parties – Extended soon for ARP editing
- Questions?
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