



# Daidalos: Future Work in Security Area

[www.ist-daidalos.org](http://www.ist-daidalos.org)

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# Mobility

- ▶ Integration of Secure Neighbour Discovery with Mobility
  - MIP and HIP
  - Scenario adoptable protocols
  
- ▶ Work on the integration of Secure Neighbour Discovery with Moving Networks
  
- ▶ Development of perfect forward secrecy for aggregative sensor networks.
  
- ▶ Evolution of the Secure Charging Protocol.





# Authentication and Authorisation

- ▶ Integration between MIPv6 and AAA
  - MIPv6 as a service, and integration with MIPv6 bootstrapping (parameters like HA, security association etc).
- ▶ Services provision based on Authorization and its relation with VID and network authentication and A4C
- ▶ Policy Based Network Management integration with security
  - Especially with A4C and SAML using XACML and similar approaches
- ▶ Optimization of Interdomain re-authentication and re-authorization
- ▶ Implementation of complementary and integrated symmetric and asymmetric Key Management procedures based on profiles and policy





# Privacy Protection in the PSP

- ▶ Pervasive applications need a lot of personal information about users (e.g., location, other users around)
- ▶ Open system: Everybody can become a provider (no trust in providers)
  - Huge potential of misuse
- ▶ Goal
  - Coherent privacy protection throughout all layers
  - Based on multiple identities per user
  - Configuration and use of privacy infrastructure introduces a lot of management complexity to users (and providers)
    - Rule-based support of pervasive use of privacy protection

