



CALL FOR PAPERS

First Workshop on Secure Network Protocols (NPsec)

Boston, Massachusetts, USA
November 6, 2005

<http://www.cerias.purdue.edu/npsec/>

(In conjunction with ICNP 2005: The 13th IEEE
International Conference on Network Protocols)

SCOPE:

The first workshop on Secure Network Protocols (NPsec) is a one-day event held in conjunction with IEEE ICNP 2005. NPsec focuses on two general areas. The first focus is on the development and analysis of secure or hardened protocols for the operation (establishment and maintenance) of network infrastructure, including such targets as secure multidomain, ad-hoc, sensor or overlay networks, or other related target areas. This can include new protocols, enhancements to existing protocols, protocol analysis, and new attacks on existing protocols. The second focus is on employing such secure network protocols to create or enhance network applications. Examples include collaborative firewalls, incentive strategies for multiparty networks, and deployment strategies to enable secure applications.

TOPICS OF INTEREST:

- * secure or hardened protocols for operation of networks including (but not limited to):
 - internetworking, e.g., BGP, DNS
 - MANETs
 - LANs and WLANs
 - cellular data networks
 - p2p and other overlay networks
 - federated trust systems
 - sensor networks
- * vulnerability analysis of existing protocols and applications (both theoretical and case studies), including novel attacks
- * key distribution
- * collaborative intrusion detection and response, such as collaborative firewalling
- * incentive systems for multiparty networks, such as for p2p and MANET routing
- * protocol configuration and deployment strategies enabling secure applications, e.g., e-commerce

IMPORTANT DATES:

Paper submission: June 10, 2005 (new extended deadline)
Notification of acceptance: July 15, 2005
Camera ready version: August 5, 2005

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SUBMISSION GUIDELINES:

Submissions must be in electronic form, as Postscript or PDF documents. Papers can be up to 6 two-column pages, and can convey work-in-progress that is not completely mature but shows promise.

Proceedings will be available in printed form and on IEEEExplore.

For more information, please see:

<http://www.cerias.purdue.edu/npsec/>