1st IEEE Workshop on Below IP Networking 2009 (BIPN'09)

Held in conjunction with **Globecom 2009**, (Honolulu, Hawaii), the 1st IEEE Workshop on Below IP Networking (BIPN'09) provides a venue for academic and industrial research communities for exchanging ideas and experience on all aspects of below IP Networking. The Internet we now have is not Carrier Grade with a robust and predictable service. The core of the Internet is under scalability pressure. Work on architectures that isolate the core from the changes taking place in the corporate, access and aggregation networks is ongoing. Internet needs a new concise architecture, in particular below IP networking. It makes sense to start creating the new concise architecture for the Future Internet from bottom up. In order to support different products, services, pricing or business models, etc. solutions must be open standard and flexible enough. New networking principles using enhanced Ethernet are being explored in several international efforts. BIPN'09 will be a much needed forum for those who wish to contribute in this area. This forum is targeted to explore and gather innovative and ground-breaking solutions to build the Future IP networking.

Papers that present work, validated by experimentation, simulations, or analysis, as well as position papers and papers discussing and comparing concepts, architectures and interfaces are solicited, on the topics including, but not limited to:

- intra and inter carrier path computation and routing below IP
- intra and inter carrier protection and restoration below IP
- intra and inter carrier OAM
- below IP solutions for intra domain and inter carrier traffic engineering
- connection oriented and connectionless network services using packet transport
- identities and addressing for enhanced Ethernet networks
- mobility issues and mobility solutions for packet transport networks
- scalability and implementation complexity of below IP networking solutions
- quality of service in packet transport networks
- network discovery below IP
- new forwarding technologies
- IP vs End-2-End Ethernet
- co-existence and interoperation of routed IP and routed Ethernet
- positioning of native enhanced Ethernet against IP, MPLS, GMPLS and MPLS-TP
- techno-economics of transport Ethernet, MPLS-TP and Internet by Ethernet

Important dates:

- Full paper submission: July 23rd 2009
- Notification of acceptance: August 28th 2009
- Final camera ready papers due: September 10th, 2009
- Workshop in Globecom: Monday, November 30th, 2009

Full CFP available at: www.bipn.org

Organisers:

Ben Gurion University, Helsinki University of Technology/Comnet: