ANCS 2007

The 3rd ACM/IEEE Symposium on Architectures for Networking and Communications Systems

www.ancsconf.org

December 3-4 , 2007   Orlando, Florida, USA

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ANCS is a research conference that focuses on the architecture and design of hardware and software for modern communication networks. The combination of increasing network bandwidth and expanding functionality pose continuing and growing challenges for system designers. New technology elements, including network processors, content addressable memories, configurable logic and special-purpose components offer new opportunities for meeting these challenges, but also raise a variety of new issues. ANCS focuses on networking and communication in the broad sense, including novel architectures, architectural support for advanced communications systems, algorithms and protocols for advanced architectures, software and applications for next-generation networking architectures, and methodology and benchmarking for evaluating advanced communication architectures. Our emphasis this year will be on hardware and software elements in the context of systems that enable networks to evolve and scale.

Areas of interest include, but are not limited to:

* System design for future Network Architectures
* Network/communications processors
* Intelligent co-processors
* Router architectures
* Emerging Technologies (e.g., optical components, etc.)
* Switch fabrics/interconnection networks
* Link scheduling, processor/thread scheduling, switch scheduling
* Network adapters
* Application-specific networks (e.g., SAN, XML Switching)
* Programmable /extensible networks
* Secure communication
* Traffic management
* Packet classification
* Content inspection and filtering
* Energy-efficient designs

The **PAPER DEADLINE** for submissions is **July 23, 2007** at 11:59PM PST (US). ANCS will use double-blind reviewing, so submitted papers should not include the authors' names. Paper registration and submission must be done electronically through EDAS (edas.info). **Registration, including the abstract,** must be completed no later than **July 16, 2007** at 11:59PM PDT (US). All papers must be submitted in PDF format on letter-size paper. Submissions must be viewable by Adobe Acrobat Reader (version 5.0 or higher) and should not exceed 10 pages in ACM/SIG conference paper format using 10 pt font. Submissions exceeding the maximum limit will not be reviewed by the program committee. Camera-ready versions of the accepted papers will be required to use the ACM SIG format (**www.acm.org/sigs/pubs/proceed/template.html**).

We encourage submissions containing original ideas. Like other conferences, ANCS requires that papers not be submitted simultaneously to any other conferences or publications; that submissions not be previously published; and that accepted papers not be subsequently published elsewhere.

Notification of Acceptance: **September 26, 2007**.
Contact the program chairs with any questions at **ancsTPC@arl.wustl.edu**.

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