Welcome to the First International Workshop on Advanced Architectures and Algorithms for Internet Delivery and Applications. Innovations in content delivery systems and Internet Applications continue to have strong impact on our world, resulting in a surge of research interest in both content delivery applications and the web/network infrastructure that supports novel applications based on Internet. Scalability issues pose a number of challenging problems to solve for both applications and the underlying infrastructure. Accesses to multimedia and QoS sensitive services through a large variety of Internet devices require guaranteed performance, resource availability and proximity of content to the network access points.

While exact load and resource characterization in the open Internet environment is difficult to attain, some forms of performance assurance are highly desirable, especially in the face of large uncertainty. There are a number of open research challenges in optimizing and improving content delivery mechanisms and support for delivered content.

The goal of this one-day workshop is to provide a forum for the exchange of ideas among academia and industry to address this new challenge.

In this first year of the workshop we received a large number of submissions. Each submitted paper was reviewed by at least three program committee members. After a careful examination of the submitted papers and reviews, 11 papers from 10 different countries were accepted. The accepted papers were presented in three sessions.

The topics covered performance studies and solutions (algorithms, protocols, architectures) that tend to improve experience of users of services and applications based on Internet and in particular: caching and replication strategies, adaptive data placement, overlay networks, qos optimization and evaluation, p2p infrastructures, new architectures and infrastructures for services, and content transcoding.

We would like to thank all authors who submitted their papers to this workshop for their interest and time. We also formally thank the technical program committee for their excellent work.

We hope you enjoyed the conference, participated in the lively discussions we had at the workshop, and enjoyed the city of Orlando.

Michele Colajanni, General Chair
Novella Bartolini and Lucy Cherkasova, Program Co-Chairs