



## **Cloud Computing Techno-economic Engineering (CCTE) Workshop**

Cloud Computing Techno-economic Engineering (CCTE) Workshop was organized in conjunction with the IEEE International Conference on Cloud Engineering (IC2E) on April 8th, 2016, in Berlin, Germany (<http://ccte.hua.gr>). The workshop aimed to serve as a melting pot for researchers and practitioners both in the areas of cloud computing and business management, in order to discuss and combine best practices in these fields into novel ideas and frameworks to accommodate new business models to harvest the potential of cloud computing taking into account both technological limitations and challenges, as well as market demands.

Cloud Computing delivers on-demand resources just like commoditized services, such as electricity, gas, water and telephony. The substantial growth rate of resource demand and provision, as well as of the global cloud traffic make create an imperative need for a detailed techno-economic analysis focusing, among others, on demand forecasting for cloud services, economic assessment of the investments needed to support this emerging computational model, switching costs, market competition, etc. The development of new usage and provision models and the understanding of how they could be used to provide utility for users, intermediary brokers (aggregators) and providers are also of paramount importance.

CCTE combined process modeling and engineering design with economic evaluation, providing with both qualitatively and quantitative understanding of the impacts technology and business processes have on the cloud computing model, seeking to harvest its potential. All submissions underwent a rigorous review process by three CCTE PC members. Reviewers completed their evaluations based on originality, significance, technical soundness, and clarity of expression. From these submissions, 4 were selected for presentation and are included in this proceedings volume. Accepted papers contributed on Cloud service pricing, Cloud adoption and diffusion and Cloud performance evaluation. An invited talk on “Cloud Brokerage: How are Businesses using it today” was also presented by Pierre Emond, Vice President EMEA Operations, ComputeNext.

We are grateful to all CCTE Program Committee members for their help and high-quality reviews. Foremost, we deeply thank all the authors for submitting their work in CCTE Workshop and contributing in its success. We also like to thank Dennis Gannon, IC2E Workshop Chair, as well as, Sonia Ben Mokhtar, IC2E Proceedings Chair 1 for their co-operation and support in organizing this workshop.

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