

# **A Special Session on Testing as a Service (TaaS)**

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## **Theme**

Cloud computing is changing the way of management and delivery of computing systems, networks, and software, and leads an opportunity in offering testing as a service (TaaS) for SaaS, clouds, and cloud-based applications. TaaS in a cloud infrastructures is considered as a new business and service model, in which a TaaS provider undertakes software testing project activities and tasks for a under-test web-based software (or application system) in a cloud infrastructure, and delivers them as a service for customers. With the advance of cloud, mobile cloud and big data, there are many issues, challenges, solutions, and needs in TaaS, such as intelligent on-demand test automation service, continuous validation and re-testing approaches, testing environment setup, download, and install, customization and multi-tenancy testing, mobile application testing, mobile testing as a service, mobile test modeling and coverage, and big data testing. This special session is set up to meet these emerging needs.

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