

Cloud Intelligence/AIOps

Digital transformation is happening in all industries. However, the large-scale and high complexity of cloud services, the core of the transformation, bring great challenges to the industry. We envision that with the advance of Artificial intelligence (AI) and machine learning (ML) and other related technologies, the cloud industry will achieve significant progress in the following aspects while keeping a sustained and exponential growth:

- ☛ Highly resilient cloud service. Cloud services will have built-in capabilities of self-monitoring, self-diagnosis, and self-healing without compromising the service quality or the user experience.

- ☛ Intelligence at users' fingertips. Users can easily use, maintain, and troubleshoot their workloads or get efficient support on top of the underlying cloud service offerings.

- ☛ Highly efficient and effective DevOps (developer & operators) powered by intelligent tools.

The industry is calling for AIOps solutions but is still at an early stage towards realizing this vision. We advocate the urgency of driving and accelerating AI/ML for efficient and manageable cloud services through collaborative efforts in multiple areas including but not limited to software engineering, systems, artificial intelligence, machine learning, and data analytics.

This workshop provides a forum for researchers and practitioners to present the state of research and practice in AI/ML for efficient and manageable cloud services, and network with colleagues.

Questions? contact us at cloudintelligenceworkshop.org/contact.html

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