Keynote Speaker

Unified Software Architectural on Demand (USA on-Demand) for Intelligent Systems

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Abstract

The rapid growth of Intelligent Systems, the challenges and technology, coupled with the tightened intelligent software developments time and production, and cost constraints has imposed tremendous pressure on software industry to create new and innovative designs, which respond to rapidly changing business and operating environments. Software industry must invest in building stable architectures that are flexible and can be easily adapted. We refer to these emerging trends of architectures as Unified Software Architectures on Demand (USA on-Demand); which is based on Software Stability Model and Knowledge Maps as they can be self- adaptive, easily-customizable, self-extensible, more personalizable, self-configurable, and self-manageable accordingly to meet the future requirements and changes in the operating environments.

USA on-Demand presents two complete intelligent systems case studies and much more will be discussed during the conference. A good architecture provides the design principles to ensure, a roadmap for that portion of the road which is yet to be built. Self-configurable and self-manageable architectures, refer to architectures that can manage and “self-heal” its properties vigorously during the reconfiguring runtime of the components, connectors, and the underlying infrastructure.