

Regulatory Compliance in Software Services Using Emerging Technologies

Date: 18th of December (Wed), **Time:** 14:00 - 15:30

Venue: EC122

Speaker: Inspirational Innovator

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Abstract

Compliance with regulations is a mandatory requirement for service computing, but software developers face significant challenges in incorporating regulatory compliance in software services due to the complexity of legal requirements across various domains. In this talk, desirable qualities of software services to improve regulatory compliance are discussed. The use of emerging technologies, such as hyper-intelligence, smart blockchain, and spatial computing, which are promising to improve regulatory compliance in software services, is discussed. A process is presented for improving the incorporation of regulatory compliance in software service development using emerging technologies and DevRegOps. Healthcare and financial applications are used as examples to show where regulatory compliance in software services can be improved.

Bio:

Prof. Stephen Yau is a globally recognized computer scientist whose groundbreaking contributions have paved the way for many modern technological advancements.

Career Highlights:

- Fellow of IEEE and American Association for the Advancement of Science.
- Winner of prestigious awards, including:
 - Richard E. Merwin Award from IEEE Computer Society
 - IEEE Computer Society's Special Award and IEEE Third Millennium Medal
 - Tsutomu Kanai Award from IEEE Computer Society.
 - Distinguished Service Award from Chinese Institute of Engineers
 - ...,etc.
- President of IEEE Computer Society and Editor-in-Chief of IEEE Computer Magazine.
- Held several prominent positions, including:
 - Chair of the Department of CSE and Director of Information Assurance Center at Arizona State University.
 - Walter P. Murphy Professor and Chair of EECS at Northwestern University.
 - Chair of the Department of CIS at University of Florida.
- Organizer and chair of dozens international conferences, including the World Computer Congress, IEEE World Congress on Services, IEEE COMPSAC, and IEEE FTDCS, ..., etc.
- Author of 270+ research papers and mentor to 140 doctoral and 115 master's students.