

# Symposium Keynote Speaker



**David Lu**

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**2017 CIE/USA  
AAEOY  
(Asian American  
Engineer of the Year)  
Awardee**

## **Unleash Your Imagination – Innovation Opportunities for the Next Century**

**David Lu** is currently responsible for development and engineering of AT&T next generation ECOMP platform and Open ECOMP (ONAP) to enable the AT&T network virtualization (SDN) and target OSS/BSS transformation including API, micro-services, policy control & orchestration, hyper-automation, and advanced data analytics.

Since joining AT&T Bell Labs in 1987, David has served in various leadership positions at AT&T. He holds 38 patents and has frequently appeared as a guest speaker at technical and leadership seminars and conferences throughout the world. David received numerous industry awards including the 2015 Chairman’s Award from IEEE Communication Society for Network and Systems Quality and Reliability and 2017 CIE AAEOY (Asian America Engineer of Year) Award. He has also been very active in community organizations and activities including AT&T APCA, CIE/USA-DFW, and DFW Asian American Chamber of Commerce. He was recognized by AT&T APCA with the 2015 Corporate Leadership Award.

David has an undergraduate degree in music, majoring in cello performance and graduate degree in Computer Science.

### **Abstract:**

“If by some miracle a prophet could describe the future exactly as it was going to take place, his predictions would sound so absurd that people everywhere would laugh him to scorn. The only thing we can be sure of about the future is that it will be absolutely fantastic.” – Arthur Clarke

According to the World Economic Forum, we are at the brink of the fourth Industrial Revolution, characterized by a fusion of technologies that is blurring the lines between the physical, digital, and biological spheres. The resulting capabilities of this technological evolution will be exponential in nature, however hidden within this web of innovation lies the challenge of building these unique components substantively.

Looking back at what happened in the last 100 years, especially the last 20 years, one can only imagine what technological advancements could bring to change human life and our societies in the next 100 years. This talk will try to explore what can be enabled by the emerging technology in the next century. More importantly, the main portion of this talk will focus on the profound changes that could happen in the near future within 10-20 years, driven by technological innovations taking place at lightning speed. In particular, the talk will highlight the development and challenges in the three “foundational” technology areas: Internet of Things (IoT), Software Defined Network (SDN), and Evolution to Next Generation Mobile Broadband (5G).