

Plenary Lectures



Professor P. R. Kumar

Texas A&M University, USA.

Title Provably safe design of cyber-physical system

Abstract :

Cyber-physical systems represent the next generation of engineered systems in which communication, control and computing technologies are tightly integrated. They are frequently safety critical. Hence it is important to design them in a provably correct manner. At the same time they are large systems, and so standard methodologies for verification and validation may not be tractable. We illustrate how one many address these challenges and design provably safe systems in a variety of applications.