

Keynote Speech I: 1:00 pm - 1:30 pm

Dr. Apkarian – Quanser

The Quanser Method is a systematic approach to improving the effectiveness and relevance of engineering education. It integrates a holistic view of modern engineering design processes into practical methodologies that can be deployed within the conventional lecture + lab + projects structures found at most institutions. The end-result is a modernized curriculum that better reflects the needs of industry and society, while maintaining the depth and rigor of traditional pedagogy.

Biography ★ Dr. Jacob Apkarian

Dr. Jacob Apkarian founded Quanser in 1990 to enhance and advance control theory education. Since that time, he has taken the company to world-renown in the academic and research realms and to recognition as a global leader in the development of real-time control systems and services for industry.

Under Dr. Apkarian's direction, a world-class team of highly specialized engineers, at both the Ph.D. & Masters levels with mechanical, electrical, electronic and controls expertise, devote almost 100 percent of their time to research and development activities.

Dr. Apkarian holds a Ph.D. in Bio-Medical Engineering and Masters of Science in Control Systems from the University of Toronto, as well as a Bachelor of Engineering from McGill University. He also holds an appointment as adjunct professor at the University of Toronto.

Dr. Apkarian began his career teaching Electrical Engineering at the University of British Columbia. Before launching Quanser, he held positions as Robotics and Assistive Devices Director at Lyndhurst Hospital and Senior Engineer at Spar Aerospace, where he contributed to the development of several key projects, including control systems for the Canada Space Arm and components of the Space Station.

