Abstract
An overview of the Sikorsky X2 Technology Demonstrator high speed helicopter will be presented. It will be compared to other high speed rotary wing and compound aircraft. The Advancing Blade Concept (ABC) will be explained. A historical perspective will be given and major program milestones will be discussed, including challenges and accomplishments. A short movie of the program will also be shown.

Bio
Dr. Bagai got his BS, MS, and PhD degrees in aerospace engineering from the University of Maryland with a specialization in rotary-wing aerodynamics, involving experimental and computational rotor wake analyses. He then spent a year at Boeing in Philadelphia before moving to Sikorsky in 1998. There he spent 11 years with the Aerodynamics group, where among other things, he developed 6 patents and designed the rotor blades for the X2. He recently moved to the Advanced Design and Business Development group in Systems Engineering and he is the lead engineer supporting Sikorsky’s business pursuits in India.