MODELING OF AN UNDERWATER INFLATABLE STRUCTURE UNDER DIFFERENT ENVIRONMENTAL CONDITIONS

Dr. Bing Ouyang
Yanjun (Leo) Li
Shadi Bavar
Jordan Thomas
“TWO-WAY COMPRESSION”
Deployed from helicopter
INDEPENDENT GEOMETRY SIMULATIONS

Cylinder  Airfoil  Prism  Ellipse

Re vs Cd For Different UIC5A Geometries

- Cd: L/D=5 Cyl
- Cd: L/D=5 Airfl
- Cd: L/D=5 Ellipse
- Cd: L/D=5 Prism
PROTOTYPE DESIGN

