

EV Challenge Board Bios

Ewan Pritchard, PhD, P.E.

Ewan is President of Pritchard Engineering, a consulting firm specializing in renewable energy development and managing R&D projects. Dr. Pritchard formerly worked at NC State University as a lecturer in Mechanical Engineering and as the Associate Director of the FREEDM Systems Center, a research center developing the next generation of technology for power systems and power electronics. Prior to his time at NC State, Ewan worked for Advanced Energy, a non-profit focused on energy efficiency, electric transportation, and electric motor certification testing. While at Advanced Energy, Ewan began the program to transform the school bus industry to plug-in hybrids in 2002 and completed his masters thesis on the subject in 2003. Since then he has worked with numerous vehicle companies and organizations to develop innovative electric and plug-in platforms to reduce environmental emissions. Ewan holds PhD, MS and BS degrees in Mechanical Engineering from NC State University.

Heather Hildebrandt, Board Treasurer

Heather Hildebrandt is an Engineering Supervisor at the NC Department of Transportation where she leads the Statewide Initiatives Group responsible for developing the Statewide Multimodal Freight Plan, Statewide Transportation Plan, and Strategic Transportation Corridors. Prior to this role, Heather worked at the NC Department of Environmental Quality in the Division of Air Quality managing the Mobile Source Compliance Branch. Her involvement in alternative fuels and retrofit technologies for mobile sources sparked her interest in electric vehicles and she has been involved in the EV Challenge since 1996. Heather has a Bachelor of Science in Mechanical Engineering and a Master of Science in Civil Engineering and Environmental Programs from NC State University.

Ken Dulaney, PE, Board Chair

Ken is Director of Industry and Innovation at the FREEDM Systems Center, a smart grid research center headquartered at NC State University in Raleigh, North Carolina. In this role, he manages industry relationships for the Center, promotes the commercialization of center developed technologies, and helps students make connections for internships or full time employment. He also manages Center marketing activities including website, newsletter, and conference trade show booth. He loves working with students, but wishes they would keep the break room clean. Prior to this role, Ken worked in air quality and industrial energy efficiency. He holds a BS in Physics from Furman University, a Bachelors in Mechanical Engineering from Georgia Tech, and a Masters in ME from the University of Texas at Austin.