

**The Future of Mobility:  
Concerns, Solutions, Challenges, and Unknowns**

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**Seminar on January 31, 2017 at 11:00 am in 2004 Black**  
**Seminar host: Mark Bryden**

**Abstract**

My presentation will briefly discuss the current state of personal mobility (particularly in US) and the societal and consumer concerns that need to be addressed. The main part of my presentation will focus on potential technology and business solutions to these concerns and emphasize the key areas of development. Finally, I will wrap-up with some observations and insight into potential outcomes and unintended consequences to be concerned about.

**Dr. Chris Borroni-Bird** joined Qualcomm Technologies Inc. as a VP of Strategic Development in 2012 and is responsible for developing and implementing a transportation vision around wireless and compute solutions for future automated, connected and electrified vehicles. Prior to this, Dr. Borroni-Bird was GM's Director of Advanced Technology Vehicle Concepts and Electric Networked Vehicle (EN-V) Program. The EN-V concepts are small battery powered urban mobility vehicles that can communicate with each other and drive autonomously, and were demonstrated extensively at the 2010 Shanghai World Expo. Chris was selected as one of Automotive News' Electrifying 100 in 2011. He also led GM's Autonomy, Hy-wire and Sequel "skateboard" vehicle concepts and has 50 patents. Before joining GM in 2000, he led Chrysler's gasoline fuel cell vehicle development and was inducted into the Automotive Hall of Fame as a Young Leader in 2000. Dr. Borroni-Bird is co-author of "Reinventing the Automobile: Personal Urban Mobility for the 21st Century", with Larry Burns and the late Bill Mitchell, that was published by MIT Press in 2010. Chris obtained his Bachelors and Masters degrees in Natural Sciences from King's College, Cambridge, completed his Ph.D in Surface Science from Cambridge University and performed Post-doctoral research in solid state physics from the University of Tokyo.

***This seminar counts towards the ME 600 seminar requirement for Mechanical Engineering graduate students.***

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