

Dr. Edward (Ted) Cochran

### **SUMMARY**

Grew up in Clarksville; moved back to Howard County in 2017 from Minneapolis, where I was a year-round bicycle commuter and transit advocate. I have biked over 25,000 miles since 2011, including over 4000 in Howard County in the past two years. I have extensive experience in qualitative and quantitative assessment of alternative solutions to problems characterized by resource limitations and incomplete or uncertain information.

### **EDUCATION**

B.A., Psychology, Johns Hopkins University, 1976

Ph.D., Psychology, University of Minnesota, 1980

### **EXPERIENCE**

#### **Honeywell R&D — Director of Engineering, 1985-2019 (retired)**

34-year progressive career in corporate R&D, focusing on human factors, safety, physical and cyber security, vulnerability assessment, quantitative analysis, and factors affecting human behavior in complex systems, especially during stressful situations.

#### **Free Bikes 4 Kidz — 2010-2019**

Volunteer Bike Mechanic for nonprofit that has helped kids ride into a happier, healthier childhood by refurbishing 60,000 donated bicycles and giving them away to kids in need.

#### **Free Bikes 4 Kidz Maryland — Founding Director, 2019**

Established a new nonprofit affiliate of Free Bikes 4 Kidz with a goal to collect and refurbish 1000 donated bicycles to give to kids in need during the 2019 holiday season.

#### **Minneapolis Midtown Greenway / Trailwatch — 2012-2016**

Member/volunteer for citizen group promoting the Minneapolis Midtown Greenway bicycle/pedestrian trail and conducting safety rides after dark on Minneapolis bikeways.

#### **Our Streets Minneapolis — 2012-2016**

Member/volunteer for group promoting Complete Streets and sponsoring seven Open Street events attracting over 90,000 attendees each year.

#### **National Association of Rocketry — 2004-2016**

Board of Trustees member, Vice President, and President (2012-2016) of a 6000-member nonprofit organization with a \$450K budget dedicated to consumer safety, youth education, and the advancement of technology in the hobby of sport rocketry in the U.S.

#### **Pyrotechnics Committee, National Fire Protection Association — 2010-present**

Maintain and refine NFPA consensus standards for model rocketry, high power rocketry, and professional fireworks manufacturing and use adopted throughout the U.S.

#### **Assistant Professor, Adelphi University, Garden City, NY — 1980-1985**

#### **Volunteer Firefighter/EMT, East Meadow Fire Department, NY — 1982-1985**