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**CHRIS MCCARTHY
INTRODUCTION AND
ELECTRIFIED POWERTRAIN
EXPERIENCE**

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Introduction

Chris McCarthy

**Bachelor of Science in Electrical Engineering from Lawrence Tech.
With Focus in Power and Alternative Energy**

Oct 2014 to Present

Oct 2010 to Oct 2014

Jan 2009 to Oct 2010

Ford Motor Company – VH&C Test Technology

General Motors – Emissions Laboratory Engineer

Smith Group Detroit – Architectural Engineer



North America Electric Powertrain Testing

General Motors

- **Improved upon EV test equipment robustness**
- **Generated high level and operator procedures for EV testing**

Ford Motor Company

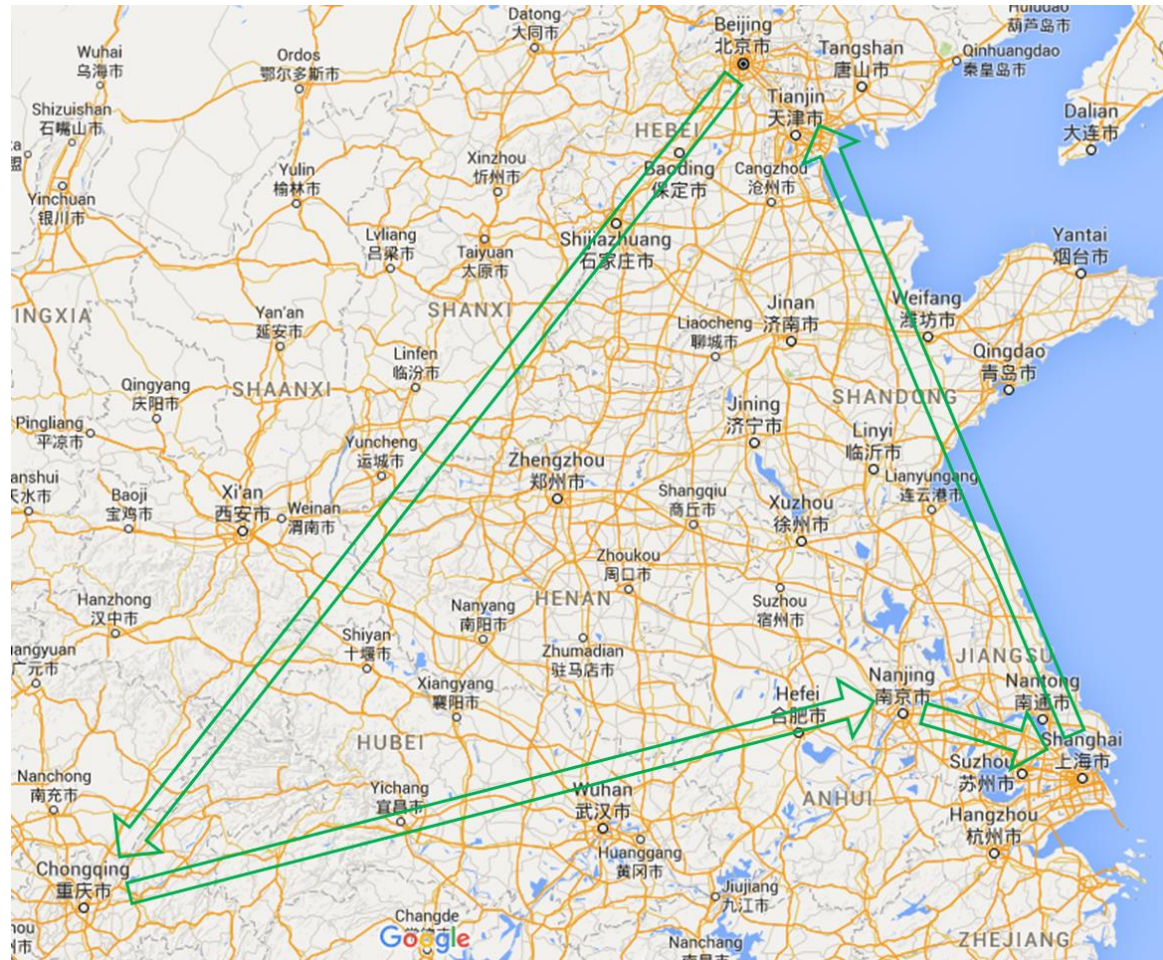
- **Assisted in specifications for EV Test Equipment Hardware/Software**
- **Created Excel Programs to automatically process Test Results for Fuel Economy and Certification engineers**
- **Worked internally to reduce invalid testing and lab resources required**
- **Collaborated with SAE Light Duty Vehicle Committee to update J1634 (BEV Test Procedures)**



China 5 / China 6 Electric Powertrain Testing

Ford Motor Company

- Collaborated with Ford and JVs with aligned procedures for certification and FE testing of hybrid vehicles
- Met with Ford, JVs and 3rd party labs in the region
- Provided feedback to CATARC on possible updates to Pure Electric Vehicle test procedures
- Reviewing China 6 and future Fuel Economy regulations



Worldwide Harmonized Light Vehicles Test Procedure (WLTP)

Ford Motor Company

- **Collaborating with Ford North America and abroad with aligned procedures for certification and FE testing of vehicles**
- **Modifying equipment for use in WLTP**

Hobbies and Experiences

- **Swing and Blues Dancing**
 - **Dancer for over 5 years and teacher for 3 years**
 - **Dance Instructor Coordinator for Friday Night Swing of Ann Arbor**
- **Autocross and Open Track Day Racing**
- **Triathlons and Marathons**
- **Piano and Vocal Training**
- **Tinkerer and Fabrication Work**

