

International Brokerage Event  
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# Outline



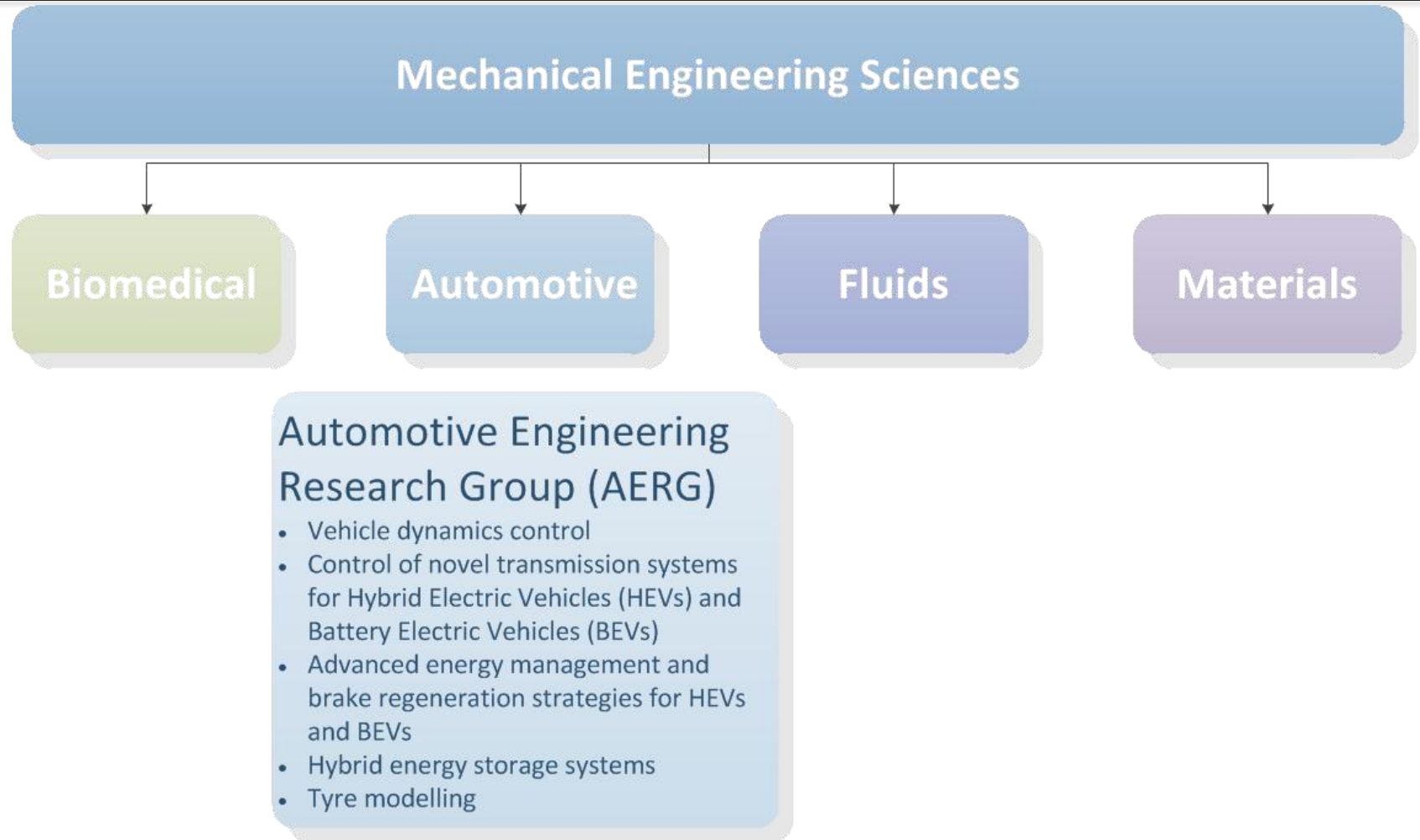
- Centre for Automotive Engineering
- CAE - *FP Experiences*
  - Ongoing Research
  - Future Directions
- *2018* H2020 Calls
  - GV Calls
  - ART Calls
  - MG Calls

# University of Surrey

- US is a research-led university
- **4<sup>th</sup>** Guardian University Guide - *2016*
- Participating > **190 FP7/H2020** projects
- Innovative and dynamic ~15,000 students
- **5\*** QS World University Rankings - *2015/2016*



# Centre for Automotive Engineering



# Centre for Automotive Engineering



CAE has extensive research links with vehicle manufacturers such as:

- Jaguar Land Rover
- Skoda
- Fiat
- McLaren Automotive
- Williams
- Ford
- Gordon Murray Design
- GM
- Volvo



& with Tier1s such as: Lucas Varsity, Inverto & Oerlikon Graziano

# Ongoing Projects & Expertise - FP

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Recent successful involvement in **5** H2020 projects in the *last 7 months*

**TRUSTVEHICLE:** Improved Trustworthiness and Weather-Independence of Conditionally Automated Vehicles in Mixed Traffic Scenarios

**OBELICS:** Optimization of Scalable Realtime Models and Functional Testing For e-Drive Concepts

**ADVICE:** Advancing User Acceptance of General Purpose Hybridized Vehicles By Improved Cost and Efficiency;

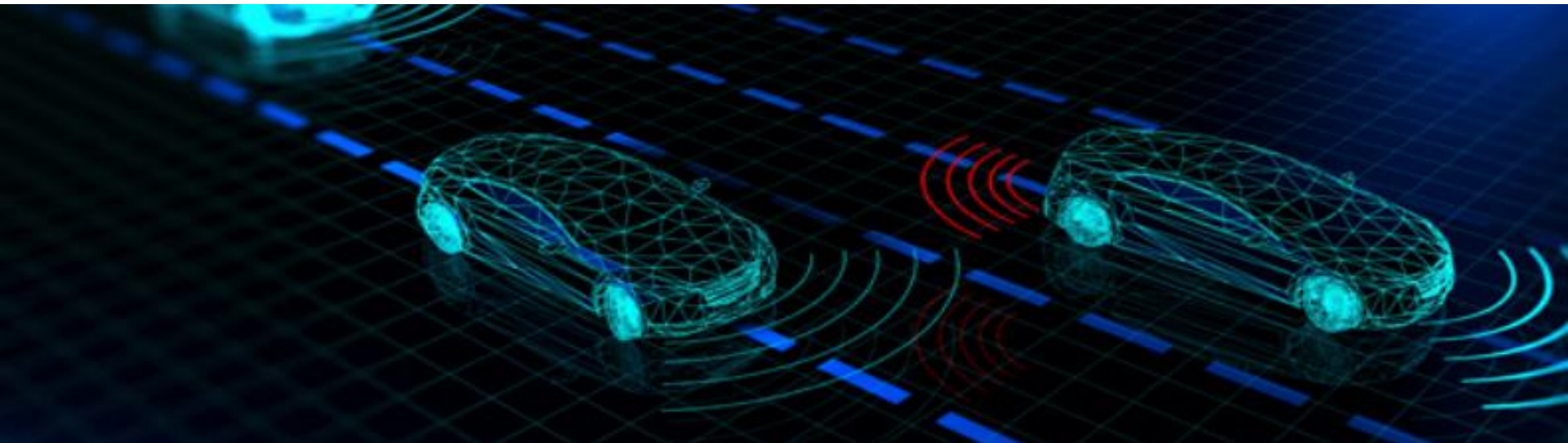
**STEVE:** Smart-Tailored L-category Electric Vehicle Demonstration in heterogeneous Urban Use Cases

**EVE-RISE:** Innovative Engineering of Ground Vehicles with Integrated Active Chassis Systems

# CAE- *Future Direction*

Strategic expansion in the area of:

- Automated & Connected Vehicles: Control
- Fully EVs & HEVs: Control & Optimisation (incl. batt & supercaps)



# 2018 H2020 Calls

The targeted upcoming H2020 calls:

## GV-Building a low-carbon, climate resilient future

**LC-GV-01-2018:** Integrated, brand-independent architectures, components and systems for next generation electrified vehicles optimised for the infrastructure

**LC-GV-02-2018:** Virtual product development and production of all types of electrified vehicles and components

## DT-Automated Road Transport

**DT-ART-01-2018:** Testing, validation and certification procedures for highly automated driving functions under various traffic scenarios based on pilot test data.

## MG-Safe, Integrated and Resilient Transport System

**MG-2-1-2018:** Human Factors in Transport Safety



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