



# Materials Science in H2020 GV Projects

**Dr. Abbasi. A. Gandhi**

**Physics & Energy Department &  
Materials and Surface Science Institute**

**University of Limerick  
Ireland**



**UNIVERSITY of LIMERICK**  
OLLSCOIL LUIMNIGH



# *Specific Interest*

## **GV.2-2014**

Optimised and systematic energy management in electric vehicle

## **GV.3-2014**

Future natural gas powertrains and components for cars and vans

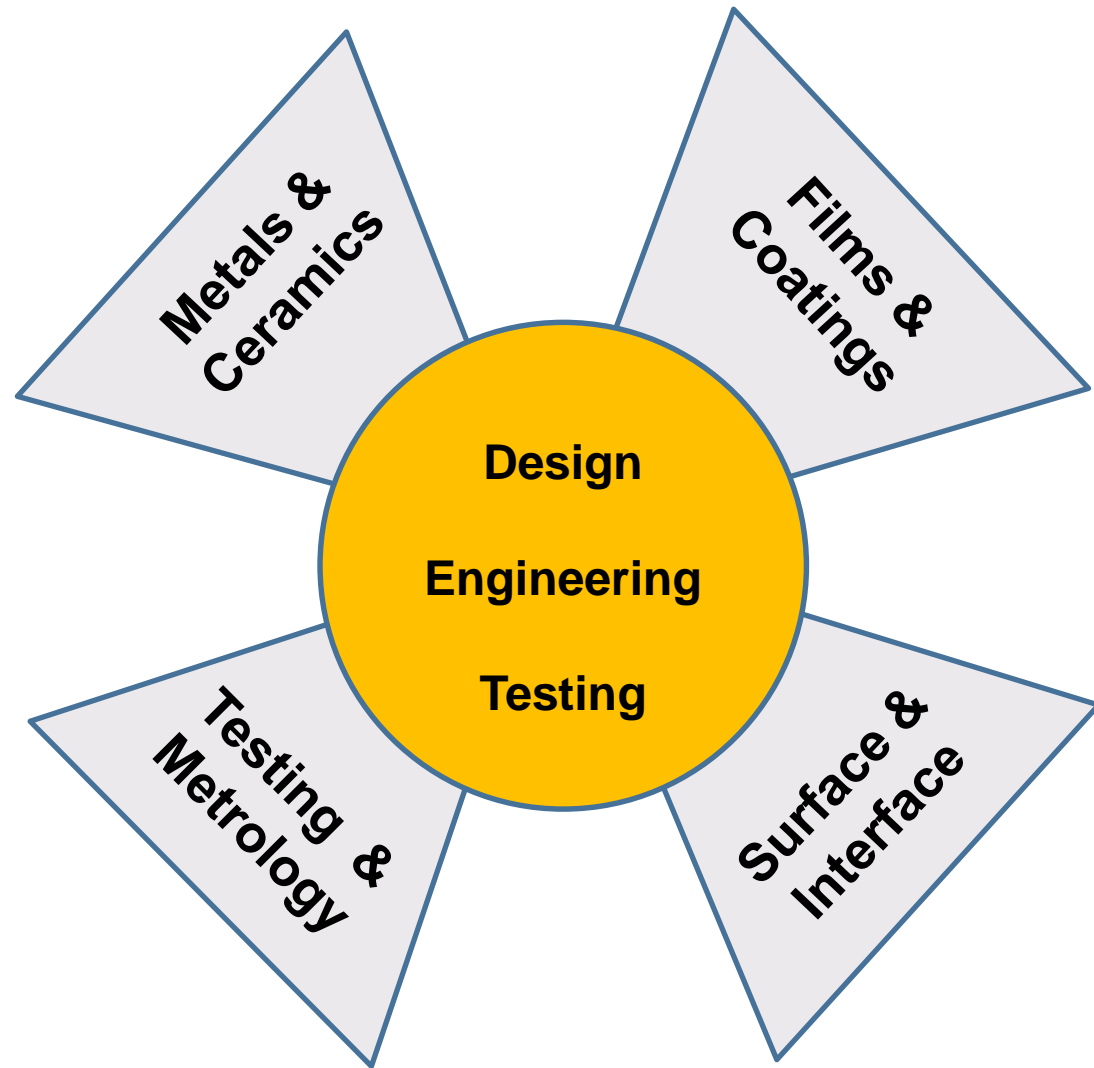
# *Specific Partnerships*

Partners with activities in:

- Energy management
- Material and power modeling & simulation
- On board monitoring, management, and prediction
- System level control and energy management assessment

Interested in partnering in the area of  
Materials and Surface Science

# MCG Group Technical Expertise



*Surface and interface, Metallurgy & Materials, films & coatings, Instrumentation & Application & Interpretation*

# European Experience

**Materials Surface Science Institute (MSSI) are an experienced Partner & Coordinator of FP7 Projects and Commercial focused projects with Industry**

## **Personal FP7 experience includes:**

- **BES** (Bioelectric surface) - Coordinator
- **SANOWORK** (Safe nano worker exposure scenarios)
- **LANIR** (Label free nanoscopy using infrared) - Coordinator
- **SUN** (Sustainable Nanotechnologies)