Ruth Madigan, University of Leeds: InterACT Project

Key research question(s)
Designing for the cooperative interaction of automated vehicles with other road users in mixed traffic environments

Approach
• Development of psychological models of interaction
• Technical solutions for predicting road users’ intentions & behaviours
• Development of Cooperation and Communication Planning Unit (CCP Unit)
• Developing human-vehicle interaction designs and HMI
• Safety layer and fail-safe trajectory planning
• Establish new evaluation methods