

Open Communication Protocols for Smart Charging: real world demonstrators.

Smart Charging and V2G Webinar Series

30th October 2019



The Alan Turing Institute



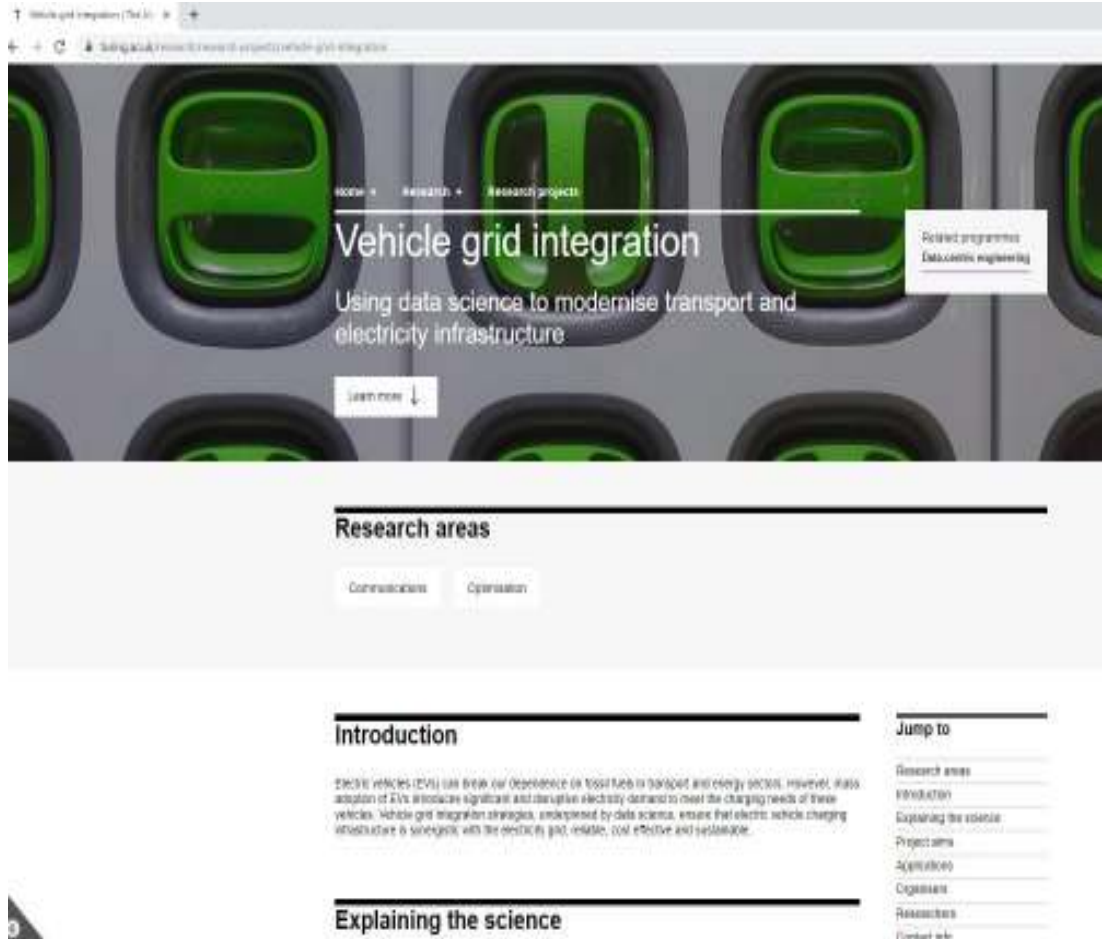
Supergen
Energy Networks

Smart Charging and V2G Webinar Series

- ▶ Aim: Find out who is doing what on Electric Vehicle Charging Infrastructure.
- ▶ Objective: Collaborate in the development of a fit for purpose EV charging infrastructure.
 - ▶ UK Policy development (Secondary legislation on smart charging)



Alan Turing Institute- Vehicle Grid Integration



- ▶ Apply and develop data science methods and tools to help in the transformation of electricity and transport infrastructure into sustainable and efficient infrastructure, while maintaining reliable operation.
- ▶ Contribute to open communication protocols for vehicle grid integration.

<https://www.turing.ac.uk/research/research-projects/vehicle-grid-integration>

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Landing Page

<https://www.ncl.ac.uk/cesi/events/webinars/v2gwebinars/>

- ▶ Recordings and slides
- ▶ Details for future events

The screenshot shows the Newcastle University website. At the top, there is a navigation bar with links for Home, About Us, Research, Study, Alumni, and Staff & Students, along with a search icon. Below the navigation bar, the page title is "Energy Systems Integration". The main content area features a list of webinar topics under the heading "Electric Vehicles' Smart Charging Webinar Series". The topics listed are:

- Smart Charging and V2G - Introduction to ongoing activities in the US and UK
- Communication Protocols for Electrical Vehicle Charging - Introduction to OCPP
- Electric Vehicles and Demand Response using OpenADR
- Open Communication Protocols for Smart Charging: real world demonstrators

Today's speakers

- ▶ Mereille Klein Koerkamp- Allego smart charging solution and which protocols are used for sharing information.
- ▶ **Lennart Verheijen**- Outline and findings of the Electric Nation project. GreenFlux served as the technology provider on the project.
- ▶ **Ben Aylott**- Overview of the design and development of the OpenADR and OCPP-based system for demand side response and smart electric vehicle charging in the OpenDSR project