

eVS | 27 Session 2C: Infrastructure (2013-11-18, 16:50-18:10)

The 27th INTERNATIONAL
ELECTRIC VEHICLE
SYMPOSIUM & EXHIBITION

BARCELONA
17th-20th November 2013



Fast charging emulator system for electric vehicles

Dr. José Francisco Sanz Osorio

CIRCE Building / Ebro River Campus / Mariano Esquillor Gómez, 15 / 50018 ZARAGOZA

Tfno. (+34) 976 761 863 / Fax (+34) 976 732 078 / web: www.fcirce.es / email: circe@fcirce.es

Organized by



Hosted by



In collaboration with



Supported by



1. Background

Need for FC Test

2. Electric Vehicle Emulator (EVE)

General structure

Power electronic topology

Control and communication Unit

Human Machine Interface (HMI)

3. Verification and test example

Real Operation video

Test examples

4. Conclusions

Organized by



Hosted by



In collaboration with



Supported by



Background

Integration of fast charge infrastructures within the grid

Organized by



Hosted by



In collaboration with



Supported by



European Commission