Power electronics

A. Main topics
- Semiconductors
- Electronics
- Silicon carbide
- Inverter in electric car

B. Targeted audience
- 16-19 years old students

C. Key concepts
- Electrical properties of materials
- Semiconductors
- Working principle of electric motors

D. Experimental activity
- App: semiconductors or insulators?
- App: where do the elements come from?
- App: hangman game of electronics
- App: electronic materials puzzle

E. Toolkit material
- 4 apps
- Video: “SiC… come guidi”
- Poster: electronics for electric cars

F. RM Tutors
Marica Canino canino@bo.imm.cnr.it