

STSM COST Action 542

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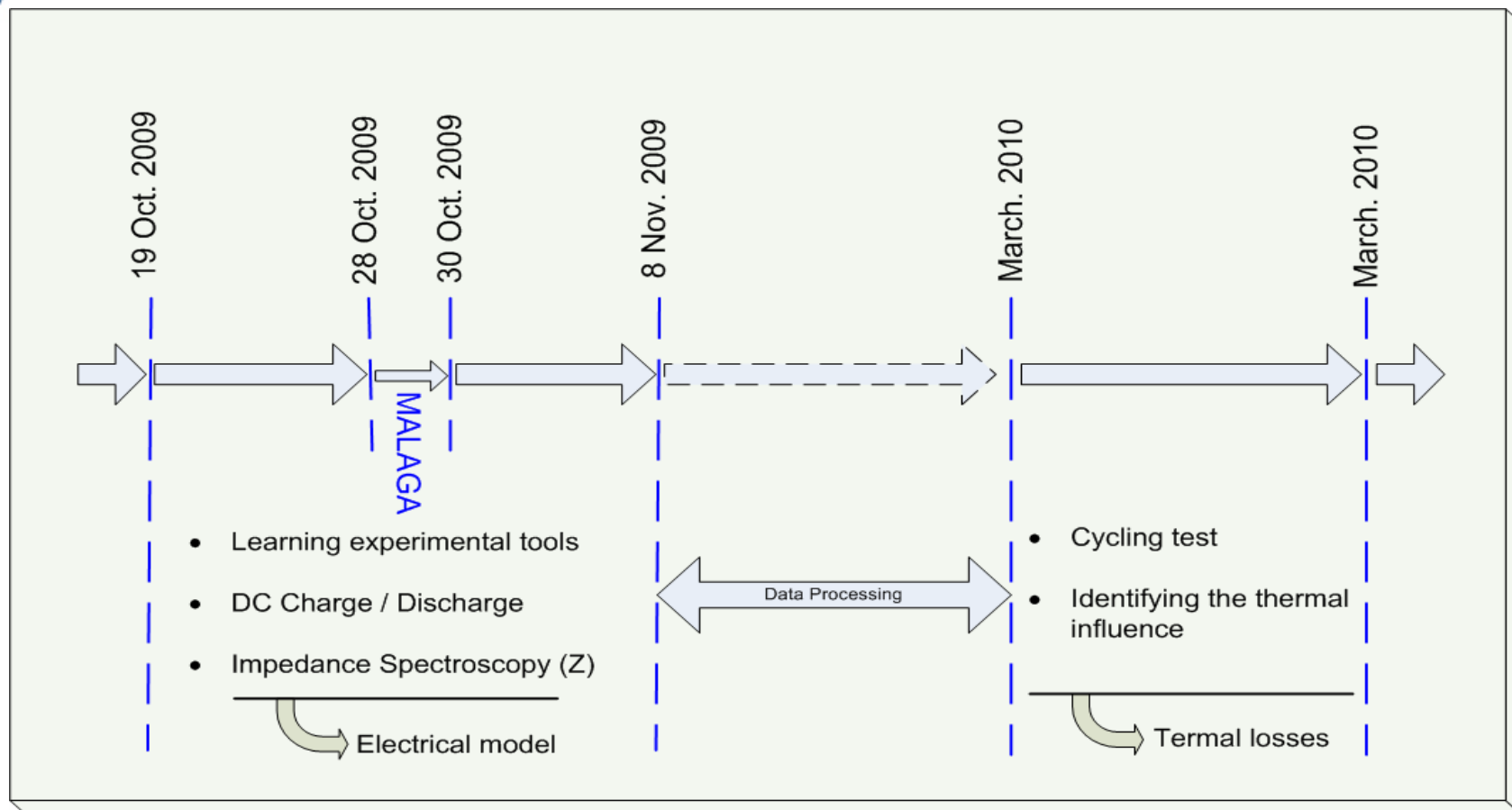


Institut national de recherche sur
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STSM COST 542 Schedule





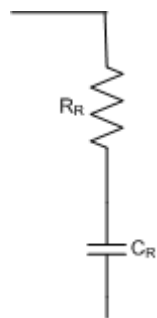
Experimental Characterization for ECONDD Supercapacitors

- Methodology:
 - Impedance spectroscopy
 - DC – charge/discharge
 - Cycling
- Parameters:
 - ESR
 - C
 - $f(T)$
 - $f(U)$
 - $f(I)$

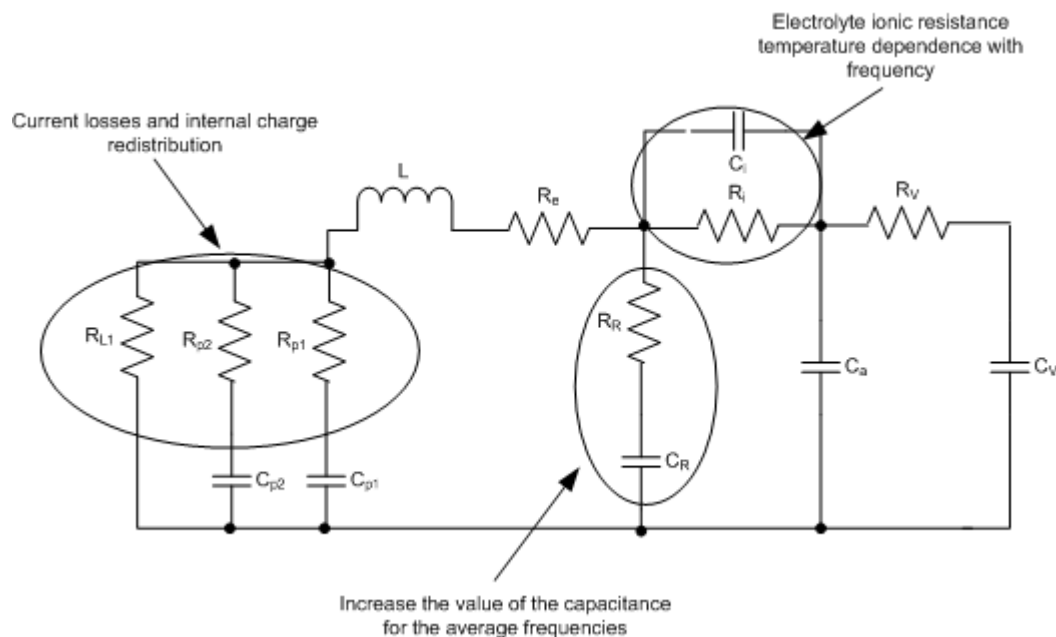


Models

- Basic model



- Frequency, voltage and temperature capacitance dependence [1]





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References

- 1 F. Rafika, H. Gualous, R. Gallay, A. Crausaz, A. Berthon – “***Frequency, thermal and voltage supercapacitor characterization and modeling***”, Science Direct Journal of Power Sources 165 (2007) 928–934