



Polymers under Multiple Constraints

Polymer- & Soft-Matter-Seminar

**Tuesday,
28th November
2017**

at: 5.15pm

**VDP4 1.27,
Von-Danckel-
mann-Platz 4,
06120 Halle**

Dr. Pieter Magusin

(Grey Group, Department of Chemistry, University of Cambridge,
Cambridge, UK)

“Ex situ and in situ NMR of battery materials”

Our group investigates novel electrode materials for lithium, sodium and magnesium ion batteries, and the solid electrolyte interface (SEI) formed on the anodes. Both ex situ and in situ NMR methods are employed, and it is the conjunction of these two approaches which yields the most useful and relevant information. In combination with electrochemical characterisation and DFT computation, NMR provides valuable insight into the complex materials chemistry occurring in batteries.



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