

**Summer School of the DFG Priority Programme  
SPP 1473, WeNDeLIB**

**- Program -**

**Materials with New Design for Improved Lithium Ion Batteries,  
Werkstoffe mit neuem Design für verbesserte Lithium-Ionen-Batterien**

**September 20 - 24, 2011  
Hotel zur Schönen Aussicht  
Brückenstr. 8, D-97828 Marktheidenfeld, Germany**

**Tuesday, September 20, 2011**

*Afternoon*                      Arrival, Registration  
*19:30 Uhr*                      Dinner

**Wednesday, September 21, 2011**

*8:30 – 8:45*                      Welcome and organization issues (H.J. Seifert, Committee members of SPP1473)  
*8:45 – 9:30*                      The DFG priority programme SPP1473: Materials with new design for improved lithium ion batteries (H.J. Seifert)  
*9:30 – 10:00*                      *Coffee Break*  
*10:00 – 11:30*                      Basics of Calphad method and thermodynamics with some phase diagrams of metallic systems relevant for lithium ion batteries (R. Schmid-Fetzer)  
*11:30 - 12:15*                      Clearing house for thermochemical data and FactSage (K. Hack)  
*12:15 – 13:30*                      *Lunch time*  
*13:30 - 14:15*                      Thermodynamics of ceramic systems relevant for lithium ion batteries (H.J. Seifert)  
*14:15 – 15:30*                      In-situ determination of thermodynamic and kinetic data (H. Fritze)  
*15:30 – 16:00*                      *Coffee Break*  
*16:00 – 18:00*                      Posters and short oral presentations (PhD students and Postdocs)  
*18:00 – 19:30*                      *Dinner*  
*19:30 – 21:00*                      Posters and short oral presentations

**Thursday, September 22, 2011**

*9:00 – 10:15*                      Energy Storage I (R. Huggins)  
*10:15 – 10:45*                      *Coffee Break*  
*10:45 – 12:15*                      Energy Storage II (R. Huggins)  
*12:15 – 13:30*                      *Lunch time*  
*13:30 – 15:00*                      Lithium ion batteries - technologies and challenges (A. Gutsch)  
*15:00 – 16:30*                      Entropy measurements and thermal management (V. Viswanathan)  
*16:30 – 17:00*                      *Coffee Break*  
*17:00 – 18:30*                      Thermodynamics, calorimetry and battery safety (THT)

18:30 – 19:45 *Dinner*  
19:45 – 21:00 Posters and short oral presentations

### **Friday, September 23, 2011**

9:00 – 9:45 LibWorks (G. Effenberg)  
9:45 – 10:30 DFG- und AiF-Fördermittel erfolgreich einwerben (F. Fischer)  
10:30 – 11:00 *Coffee Break*  
11:00 – 13:00 DFG- und AiF-Fördermittel erfolgreich einwerben (F. Fischer)  
13:00 – 14:30 *Lunch time*  
14:30 – 16:00 Thermochemistry of metallic and oxide materials (T. Markus)  
16:00 – 16:30 *Coffee Break*  
16:30 – 18:00 Posters and short oral presentations  
18:00 – 19:30 *Dinner*

### **Saturday, September 24, 2011**

Departure