Preliminary program

Tuesday 30th May 2017

09:00-10:00 Welcome, introduction to thermodynamic modeling Barbara Lothenbach, Empa
structure of GEMS / feedback from exercises

10:00–10:30 Coffee Break

10:30–12:00 Single system calculation, input, output Frank Winnefeld, Empa
Process calculations

12:00–13:00 Lunch

13:00–15:00 Tutorials: effect of carbonante + sulfate individual work
Process calculations: Effect of limestone individual work

15:00–15:30 Coffee break

15:30–16:00 Individual work continued

16:00–17:00 Questions, discussion of individual work Frank Winnefeld, Empa

ca. 18:30 Dinner Hotel Sonnental, Dübendorf

Wednesday 31st May 2017

08:30–10:00 Thermodynamic database: overview Barbara Lothenbach, Empa

10:00–10:30 Coffee Break

10:30–12:00 Solubility/speciation diagrams: effect of pH Barbara Lothenbach, Empa
Calculations of saturation indices / enthalpy

12:00–13:00 Lunch

13:00–15:00 Tutorials: database mangement individual work
Solubility / enthalpy individual work

15:00–15:30 Coffee break

15:30–16:00 individual work continued

16:00–17:00 Questions, discussion of individual work Barbara Lothenbach, Empa
Thursday 1st June 2017

08:30-09:30  Dissolution/precipitation kinetic  
**Dmitrii Kulik, PSI**

09:30-10:30  Alternative cements  
**Frank Winnefeld, Empa**

10:30-11:00  **Coffee Break**

11:00-11:50  Durability  
**Klaartje de Weerdt, NTNU**

11:50-12:00  General feedback, wishes,..  
all

12:00-13:00  **Lunch**

13:00-14:30  Tutorials 1 (Room C20): a) chloride / b) CSA

13:00-14:30  Tutorials 2 (Room C24): a) kinetic / b) hydration modelling

14:30-15:00  **Coffee Break**

15:00-15:30  individual work continued

15:30-16:00  Questions, discussion of individual work; Tutorials 1  
**Klaartje de Weerdt/Frank Winnefeld**

15:30-16:00  Questions, discussion of individual work; Tutorials 2  
**Dmitrii Kulik/Barbara Lothenbach**