

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	
08:30	3 rd International School on Numerical Modelling for Applied Superconductivity, Saas-Fee, Switzerland, June 6 th - 10 th 2022	Registration			Outdoor activity		
08:40		Opening					
08:50							
09:00							
09:10							
09:20							
09:30			From materials to applications, Mark Ainslie	Introduction to very high field magnets, Satoshi Awaji		Stability and quench protection for LTS, Luca Bottura	Fundamental mechanics for composite, Marc Dhalle
09:40							
09:50							
10:00							
10:10							
10:20							
10:30							
10:40			Coffee break	Coffee Break		Coffee Break	Coffee Break
10:50							
11:00							
11:10							
11:20		Critical state model, hysteresis, power law and E-J laws, Bernardo Bordini	System view of hybrid HTS-LTS coils, Satoshi Awaji	Stability and quench protection for LTS, Luca Bottura	Specificities of mechanics in HTS magnets, Arnaud Badel		
11:30							
11:40							
11:50							
12:00							
12:10							
12:20							
12:30							
12:40					Multiple choice test		
12:50							
13:00		Lunch	lunch	Lunch			
13:10							
13:20							
13:30					Lunch		
13:40							
13:50							
14:00							
14:10							
14:20		Macroscopic and microscopic models for superconductors, Bernardo Bordini	Overview of numerical approaches, Christophe Geuzaine	AC losses and field homogeneity HTS, Francesco Grilli	Superconducting MRI magnets, Guillaume Dilasser		
14:30							
14:40							
14:50							
15:00							
15:10				Coffee Break	Wrap-up session		
15:20							
15:30							
15:40		Coffee break	Coffee Break	AC losses and field homogeneity HTS, Francesco Grilli	Coffee Break		
15:50							
16:00							
16:10		Numerical modelling of applications: state of the art and challenges, Mark Ainslie	Overview of numerical approaches, Christophe Geuzaine	AC losses and field homogeneity HTS, Francesco Grilli	Shimming of a MRI magnet, Guillaume Dilasser		
16:20							
16:30							
16:40				break			
16:50							
17:00	Registration and welcome drink						
17:10							
17:20							
17:30					Student poster presentations, Erica Salazar	Break	
17:40							
17:50					Modeling of quench in HTS tapes, cables and magnets, Marco Breschi		
18:00							
18:10							
18:20			Outdoor drink				
18:30							
18:40							
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19:00	Dinner						
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19:20							
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19:40							
19:50							
20:00			Dinner			Dinner	
20:10							
20:20							
20:30				Social Dinner	Dinner		
20:40							
20:50							
21:00							
21:10							
21:20							
21:30					Modeling of quench in HTS tapes, cables and magnets, Marco Breschi		
21:40							
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22:30							