

	5.7. Tuesday	6.7. Wednesday	7.7. Thursday	8.7. Friday	9.7. Saturday
8:45 – 9:30	Gerhard Dehm Introduction	Cleva Ow-Yang HRTEM methods	Erik Johnson TEM: diffractional contrast	Adham Hashibon Molecular Dynamics	
9:30 – 10:15	Thomas Detzel “Power devices” and interface issues	Cleva Ow-Yang HRTEM methods	Erik Johnson TEM: diffractional contrast	Adham Hashibon Molecular Dynamics	Departure at 9:00
10:15 – 10:45	Coffee break	Coffee break	Coffee break	Coffee break	
10:45 – 11:30	Thomas Detzel “Power devices” and interface issues	Raimund Podloucky Basics and Atomistic Simulations	Lukas Schmidt-Mende Interface issues in photovoltaic devices	<i>Exercises Molecular Dynamics (Adham)</i>	Visit of VOESTALPINE iron ore mine in Eisenerz and discussions (return at 17:00)
11:30 – 12:15	Raimund Podloucky Basics and Atomistic Simulations	Raimund Podloucky Basics and Atomistic Simulations	Lukas Schmidt-Mende Interface issues in photovoltaic devices	<i>Exercises Molecular Dynamics (Adham)</i>	
12:15 – 13:30	Lunch	Lunch	Lunch	Lunch	
16:00 – 17:15	<i>Exercises “Power Devices”</i>  <i>(students will be divided in at least 2 subgroups)</i>	<i>Exercises :</i> <i>Group 1 HRTEM</i> <i>Group 2 Ab initio</i>  <i>(students will be divided in at least 2 subgroups)</i>	<i>Exercises :</i> <i>Group 1 TEM:</i> <i>diffractional contrast</i> <i>Group 2 photovoltaic devices</i>  <i>(students will be divided in at least 2 subgroups)</i>	13:15 departure to VOESTALPINE Steel plant Visit from 13:30 to 16:00 Note: Take solid shoes and clothes which can sustain some dirt	
17:15 – 17:45	Coffee break	Coffee break	Coffee break	Coffee break	
17:45 – 19:00	<i>Exercises “Power Devices”</i>	<i>Exercises :</i> <i>Group 1 Ab initio</i> <i>Group 2 HRTEM</i>	<i>Exercises :</i> <i>Group 1 photovoltaic devices</i> <i>Group 2 TEM:</i> <i>diffractional contrast</i>	18:00 to 21:00 1 min Poster presentations then PhD poster session (liquids and solids available)	
19:00 – 19:30	Students present results				
Monday evening 18:00 get-together (BBQ@ESI)					

	11.7. Monday	12.7. Tuesday	13.7. Wednesday	14.7. Thursday
8:45 – 9:30	Hans-Jürgen Seifert Thermodynamics: Basics, Phase diagrams, etc.	Christian Motz Mechanics of Interfaces	Eugen Rabkin Motion of Interfaces	Craig Carter Interface and Surface Thermodynamics (Theory and Experiment)
9:30 – 10:15	Hans-Jürgen Seifert Thermodynamics: Basics, Phase diagrams, etc.	Christian Motz Mechanics of Interfaces	Eugen Rabkin Motion of Interfaces	Craig Carter Interface and Surface Thermodynamics (Theory and Experiment)
10:15 – 10:45	Coffee break	Coffee break	Coffee break	Coffee break
10:45 – 11:30	Hans-Jürgen Seifert Thermodynamics: Basics, Phase diagrams, etc.	David McComb EELS / ELNES	Christian Motz Mechanics of Interfaces	<i>Exercises –Craig Carter</i>
11:30 – 12:15	Dominique Chatain Thermodynamics: Experiments (Wetting)	David McComb EELS / ELNES	Dominique Chatain Thermodynamics: Experiments (Wetting)	<i>Exercises –Craig Carter</i>
12:15 – 13:30	Lunch	Lunch	Lunch	Lunch
16:00 – 17:15	<i>Exercises “Phase diagrams”</i>	<i>Exercises : Group 1 mechanics Group 2 EELS/ELNES</i>	<i>Exercises : Group 1 interface motion (E. Rabkin) Group 2 wetting (D. Chatain)</i>	Departure
17:15 – 17:45	Coffee break	Coffee break	Coffee break	
17:45 -19:00	<i>Exercises “Phase diagrams”</i>	<i>Exercises : Group 1 EELS/ELNES Group 2 mechanics (students will be divided in at least 2 subgroups)</i>	<i>Exercises : Group 1 wetting Group 2 interface motion (students will be divided in at least 2 subgroups)</i>	
19:00-19:30	Students present results			
		19:30 Summer School Dinner (Restaurant “Schwarzer Hund”)		

