

# ENSYSTRA Summer School 2018: Modelling Energy Systems - Setting the Interdisciplinary Stage

## Programme

		Monday (Sep 3rd)	Tuesday (Sep 4th) <i>Secondment Day</i>	Wednesday (Sep 5th)	Thursday (Sep 6th)	Friday (Sep 7th)	
09:00 – 09:45	Session 1	Welcome & Introduction to Summer School Program	Presentation of PhD Projects	Sector coupling and Grid <i>(Tom Brown, KIT)</i>	<i>Network Management Board / Supervisory Board Meeting</i>	Complex Systems & Agent-based modelling <i>(Kristian Lindgren, Chalmers)</i>	Role of Hydrogen and Wind for 100 % Systems <i>(Frank Sensfuß, Fraunhofer ISI)</i>
09:45 – 10:00		Lightning talks of participating institutions					
10:30 - 10:45	coffee break						
10:45 - 12:15	Session 2	Fundamentals of Energy System Modelling and Optimization I	Presentation of PhD Projects	Discussion/exchange phase: World Café session (round 3)	<i>External Advisory Board Meeting</i>	Introduction to Equilibrium Modelling <i>(Harry van Der Weijde, EDIN)</i>	"Do-a-thon" "Write-a-thon" Break-out-groups (round 2)
12:15 - 13:15		lunch break					
13:15 – 14:00	Session 3	Fundamentals of Energy System Modelling and Optimization II	Modelling from a computing perspective <i>(Michael Böttinger, German Climate Computing Center)</i>	Excursion: GP Joule, Reußenköge (renewable energy center)		Presentation of discussion results from world café sessions	"Do-a-thon" "Write-a-thon" Break-out-groups (round 3)
14:00 – 14:45		Scenario Analysis and Cross Impact Analysis <i>(Ricarda Scheele, Zirus)</i>	Presentation of PhD Projects				
14:45 - 15:00	coffee break						
15:00 - 16:30	Session 4	Flexibility Modelling <i>(Anke Weidlich, University of Freiburg)</i>	Presentation of PhD Projects	including presentation on local perspective on energy system transformation implementation		"Do-a-thon" "Write-a-thon" Break-out-groups (round 1)	Final session: Summary / Wrap up
16:30 - 16:45			Discussion/exchange phase: World Café session (round 1)				
16:30 - 16:45	coffee break						
17:00 - 18:00	Session 5	Open Space: Preparation / Discussion	Discussion/exchange phase: World Café session (round 2)	<i>ESR Committee Meeting</i>		Modelling from a TSO perspective <i>(Samuel Glismann, Tennet NL)</i>	
19:00 - open							