



**EUROPEAN COMMISSION**  
RESEARCH EXECUTIVE AGENCY

Marie Skłodowska-Curie Research and Innovation Staff Exchange

**RENESENG II TRAINING SCHOOL AGENDA:**

**Training school-1 : Advanced municipal waste valorisation : application of BSE tools for thermochemical treatment, integration to infrastructures, food-energy-water nexus.**

**GA778332-RENESENG2**

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**Guildford**

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**Time: September 8-14**

**Hybrid: in person & online (UK Time)**

<b>Sept 8</b>		
10-12am	Introduction	Franjo Cecelja
	Synthesis of reuse textile biorefineries	Antonis Kokossis
12am-	Lunch break	
2-5am	Optimization for sustainability: <ul style="list-style-type: none"><li>- Mathematical formulations in optimization</li><li>- Engineering challenges and nonlinear systems</li></ul>	Urmila Diwekar



<b>Sept 9</b>		
10-12am	Waste processing/valorisation via thermal and catalytic technologies.	Tomas Ramirez-Reina
12am-	Lunch break	
2-5am	Optimization for sustainability <ul style="list-style-type: none"> <li>- Optimization with discrete options</li> <li>- Engineering challenges with uncertainty</li> </ul>	Urmila Diwekar

<b>Sept 12</b>		
10-12am	Introduction to commercial software & GAMS	Michael Short
12am-	Lunch break	
2-5am	Optimization for sustainability <ul style="list-style-type: none"> <li>- Optimization with discrete options</li> <li>- Engineering challenges with uncertainty</li> </ul>	Urmila Diwekar

<b>Sept 13</b>		
10-12am	Modelling waste: challenges in data modelling for the HTL process	Antonis Kokossis
	Wastewater processing technologies	Judy Lee
12am-	Lunch break	
2-5am		TBC

<b>Sept 14</b>		
10-12am	Biobased and waste-based industries in the context of circular economy	Antonis Kokossis
12am-	Lunch break	
2-5am	Round table discussion	All RENESENG partners

