




# Week I: Production Technology meets Industry 4.0

Time	Sunday 5 <sup>th</sup> August	Monday 6 <sup>th</sup> August	Tuesday 7 <sup>th</sup> August	Wednesday 8 <sup>th</sup> August	Thursday 9 <sup>th</sup> August	Friday 10 <sup>th</sup> August	Saturday 11 <sup>th</sup> August	
9:00-9:30	 <p>Individual Arrival of Participants ***</p> <p>Pick-up at Aachen Central Train Station ***</p> <p>Get-Together with the Buddies</p>						<p>Free Time for Excursions, Sight-Seeing and Self-Study</p>	
9:30-10:00				Modern Factory Layout Planning (1/2)		The Digital Supply Chain (Smart Factory)		
10:00-10:30		<p>Welcome Orientation</p> 	Introduction „Internet of Production“ WZL (Dr. Brockmann)	Cybernetics Lab/ WZL/VCI (Prof. Meisen, Herr Thiele)	Intercultural Workshop	FIR Aachen (Prof. Stich, Herr Pause)		
10:30-11:00								
11:00-11:30								
11:30-12:00								
12:00-12:30								
12:30-13:00								
13:00-13:30								
13:30-14:00								
14:00-14:30								
14:30-15:00								
15:00-15:30			RWTH Campus Tour	Mobile Robots for Flexible Intralogistics IMA/ZLW/IfU (Herr Ennen, Herr Henke)	Modern Factory Layout Planning (2/2)	<p>Summer School Sports Day - Football and Beach Volleyball</p> 		Simulation of Lean Principles within the Demonstration Factory Aachen (Prof. Schuh, Herr Dany, Frau Thomas, Herr Schmidhuber)
15:30-16:00								
16:00-16:30		Transfer to the City						
16:30-17:00								
17:00-17:30		Get to know Aachen: Summer School						
17:30-18:00		“Scavenger Hunt”						
18:00-18:30								
18:30-19:00								
19:00-19:30								
19:30-20:00								
20:00-20:30			Optional: International Tuesday with the INCAS					
20:30-21:00			Student Organisation					
21:00-21:30								
21:30-22:00								

# Week II: Production Technology meets Industry 4.0

Time	Sunday 12 <sup>th</sup> August	Monday 13 <sup>th</sup> August	Tuesday 14 <sup>th</sup> August	Wednesday 15 <sup>th</sup> August	Thursday 16 <sup>th</sup> August	Friday 17 <sup>th</sup> August	Saturday 18 <sup>th</sup> August
9:00-9:30	Free Time for Excursions, Sight-Seeing and Self-Study	Innovations and Trends in Metal Forming IBF (Prof. Hirt, Frau Con- rads, Herr Lohmar)	Additive Manufacturing (1/2) DAP / Fraunhofer ILT (Prof. Poprawe, Prof. Schleifenbaum, Herr Kimm)	City Excursion to Cologne 	Advanced Production Processes by Integrated Pro- duction Networks Using OPC-UA and Advanced Analytics (1/2) IMA/ZLW/IfU (Prof. Meisen)	Assembly Robotics and Smart Automation WZL-MQ (Prof. Schmitt, Herr Nicksch)	
9:30-10:00							
10:00-10:30							
10:30-11:00							
11:00-11:30							
11:30-12:00		Lunch Break at "Mensa Vita"			Lunch Break at "Mensa Vita"		
12:00-12:30							
12:30-13:00							
13:00-13:30							
13:30-14:00							
14:00-14:30		Innovative Plastics Technology powered by Internet of Prod. IKV (Prof. Hopmann, Herr Fischer, Herr Petzinka)	Additive Manufacturing (2/2) DAP / Fraunhofer ILT (Prof. Poprawe, Prof. Schleifenbaum, Herr Kimm)	Advanced Production Processes by Integrated Pro- duction Networks Using OPC-UA and Advanced Analytics (2/2) IMA/ZLW/IfU (Prof. Meisen)	Assembly Robotics and Smart Automation IGMR (Prof. Corves, Herr Lorenz)		
14:30-15:00							
15:00-15:30							
15:30-16:00							
16:00-16:30							
16:30-17:00		Optional: International Tuesday with the INCAS Student Organisation 		Summer School BBQ 	Karaoke Night with the Summer School Team and your Buddies 		
17:00-17:30							
17:30-18:00							
18:00-18:30							
18:30-19:00							
19:00-19:30							
19:30-20:00							
20:00-20:30							
20:30-21:00							
21:00-21:30							
21:30-22:00							

# Week III: Production Technology meets Industry 4.0

Time	Sunday 19 <sup>th</sup> August	Monday 20 <sup>th</sup> August	Tuesday 21 <sup>st</sup> August	Wednesday 22 <sup>nd</sup> August	Thursday 23 <sup>rd</sup> August	Friday 24 <sup>th</sup> August	Saturday 25 <sup>th</sup> August		
9:00-9:30	Free Time for Excursions, Sight-Seeing and Self-Study	Ergonomic Design of Human-Machine Interaction in Advan- ced Manufacturing Systems IAW (Dr. Mertens)	Smart Automation for Future Production Technology WZL-WM (Prof. Brecher, Herr Storms)	Computational Based Design of New Materials and Processes (1/2) IEHK (Prof. Bleck)	Self-Optimized Ma- chines and Human- Machine Interaction in the Future Textile Production ITA (Prof. Gries, Herr Löhner)	Preparation Final Exam	Individual Departure of Participants		
9:30-10:00									
10:00-10:30									
10:30-11:00									
11:00-11:30									
11:30-12:00									
12:00-12:30		Lunch Break at "Mensa Vita"							
12:30-13:00		Lunch Break at "Mensa Vita"							
13:00-13:30		Lunch Break at "Mensa Vita"							
13:30-14:00		Lunch Break at "Mensa Vita"							
14:00-14:30		Free Time for Excursions, Sight-Seeing and Self-Study	Ergonomic Design of Human-Machine Interaction in Advan- ced Manufacturing Systems IAW (Dr. Mertens)	Free Time for Self-Study	Computational Based Design of New Materials and Processes (2/2) IEHK (Prof. Bleck)	Laboratory tour / visit @ ITA		Free Time	
14:30-15:00									
15:00-15:30									
15:30-16:00									
16:00-16:30									
16:30-17:00									
17:00-17:30			Individual Departure of Participants						
17:30-18:00			Individual Departure of Participants						
18:00-18:30			Individual Departure of Participants						
18:30-19:00			Individual Departure of Participants						
19:00-19:30		Individual Departure of Participants							
19:30-20:00		Individual Departure of Participants							
20:00-20:30	Individual Departure of Participants								
20:30-21:00	Individual Departure of Participants								
21:00-21:30	Individual Departure of Participants								
21:30-22:00	Individual Departure of Participants								
		Master-Talk with the RWTH International Academy Master Office							
			Optional: International Tuesday with the INCAS Student Organisation			Get-Together "Pontstraße" (optional)			

# Summer School: Legend to symbols



RWTH-related Activities



Aachen-related Activities



Arrival and Departure



Intercultural Workshop



Visits of Institutes and Companies



Closing Ceremony



Get-Together



Snacks are included



Dinner is included



Field Trip



Hiking-Tour



Sports Events