

# Autumn School “Geometric shape generation”

Vienna University of Technology

1–5 Oct 2018

	Mon	Tue	Wed	Thu	Fri
8.00					
9.00			Nawratil		
10.00	Opening				
11.00	Pember	Hoffmann	Nawratil	Izmestiev	Kern/Rist
12.00					
13.00					
14.00	Pember	Hoffmann	Nawratil	Izmestiev	Kern/Rist E264
15.00					
16.00	Pember	Hoffmann	Excursion Dinner	Izmestiev	
17.00		Umehara		Kajiwara	
18.00					

## Programme/Mini-courses

Hoffmann (TU Munich): *A discrete surface theory in  $R^3$*

Izmestiev (Univ Fribourg): *Overconstrained mechanisms and elliptic functions*

Kern/Rist (TU Wien): *Gestaltung*

Nawratil (TU Wien): *Curves and surfaces related to/generated by kinematics*

Pember (TU Wien): *Weierstrass type representations*

## Extra curricular talks

Kajiwara (Kyushu Univ): *Log-aesthetic curves in industrial design as similarity geometric analogue of Euler’s elasticae*

Umehara (TIT): *A line theorem for light-like points on constant mean curvature surfaces in Lorentz-Minkowski 3-space*

Locations: *Most lectures/talks will take place in ZS3 (mathematics) (Freihaus 7th floor green, room DA07 A05),  
Fri afternoon will be hosted by the Institute E264 (architecture)*

## Organizers

Kobe University: *Rossmann*

Kyushu University: *Kajiwara, Koiso*

Tokyo Institute of Technology: *Umehara, Yamada*

TU Wien: *Hertrich-Jeromin*