

## Training Schedule 2019

### Basic and Advanced Training

Time: 9 am - 5 pm

Price: 900 EUR (2 days), 2.000 EUR (4 days)

#### **Shaft and Bearing Calculation (2 days)**

March 05 - 06, 2019

#### **Cylindrical Gear Design, Analysis and Optimization (4 days)**

May 07-10, 2019

October 01 - 04, 2019

### Special Training

Time: 9 am - 5 pm

Price: 750 EUR (1 day), 1.200 EUR (2 days),  
1.700 EUR (3 days)

#### **Precision Mechanics: Small cylindrical and crossed helical worm gears in plastic or sintered material (2 days)**

June 04 - 05, 2019

#### **Bevel and Hypoid Gears (2 days)**

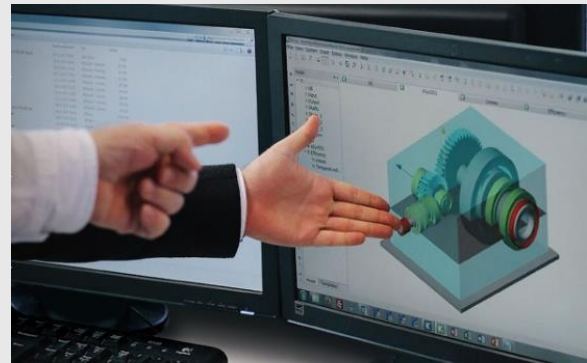
June 12 - 13, 2019

#### **Contact Pattern Analysis for cylindrical gears, bevel gears and planetary systems (2 days) with Workshop (1 day)**

June 18 - 20, 2019

#### **Bolt Calculation (1 day)**

June 25, 2019



### Training to Improve Knowledge and Skills

We offer our users a wide range of training and further education opportunities. In addition to introductory and advanced training courses and seminars on special topics, we can also provide our customers with on-site training courses for company-specific needs. In this way, every KISSsoft user can continuously improve their knowledge and skills.

All our training experts are qualified mechanical engineers with many years of KISSsoft/KISSsys experience. They can address the specific needs of participants more effectively. For each training course, all participants receive - in addition to the extensive documentation - a fully functional current test version for 30 days, with which practical examples can be calculated.

A certificate is issued upon successful completion.

# KISSsys Training

Time: 9 am - 5 pm

Price: 500 EUR (1 day), 1.000 EUR (2 days),  
1.500 EUR (3 days), 2.000 EUR (4 days)

## Basic: Modeling Gearboxes (2 days)

March 19 - 20, 2019

September 17 - 18, 2019

## Advanced: System Calculations (1 day)

March 21, 2019

September 19, 2019

## Advanced: Model Customization (1 day)

March 22, 2019

## Advanced: Planetary Stage Gearboxes (1 day)

September 20, 2019

## Would You Like to Enhance Your Knowledge in Our Training Courses?

- You will find more details on each training including the training program under [www.kisssoft.ag/trainings](http://www.kisssoft.ag/trainings)
- Apply easily and quickly through the online registration on our website!
- Upon receipt of your training confirmation, you will receive information about directions and accommodation near to Bubikon in order to make your travel planning easier.
- In case of any questions, please send us an email to [training@KISSsoft.AG](mailto:training@KISSsoft.AG)

The screenshot displays the KISSsoft software interface for a gearbox design project. The main window shows a 3D model of a gearbox assembly with blue and yellow gears. The interface is divided into several panels:

- Model Tree:** Lists components such as Boundary1, Boundary2, Efficiency, GearBox, Shafts (Shaft1-4), Bearings, Couplings, and Gears.
- PreSizing Table:**

	A	B	C	D	E
1 GEAR SETTINGS	KA gears [ ]		1.25		
2	Beta max/min/step [°]	16/10/2			
3	Required total ratio "tot"	100			
4	max delta (+/-) [%] per stage	fixed	2		
5	Gear sizing strategy	fixed			
6					
7	Gear sizing data	a [mm]	axis angle [°]	b [mm]	for stang
8	Szono gear pair 1	80	0		24.963
9	Szono gear pair 2	115	0		30.241
10	Szono gear pair 3	160	0		31.945
11	Szono gear pair 4	200	0		41.7
12	Szono gear pair 5	200	0		67.959
13					total
14					
15	SHAFT SETTINGS				BEARING SETTING
- Settings Table:**

	A	B	C	D
1 LUBRICATION				
2 Lubricant	Oil ISO-VG 100			
3 Lubrication method	Oil bath lubrication			
4 Lub. Temp [°C]	70			
5 Amb. Temp [°C]	25			
6				
7 Required service life [h]	5000			
8 Inclination around x-axis [°]	0			
9				
10 CALCULATION METHODS				
11 Helical Gears	ISO 6336-2006 Methode B			=> Considered
12 Bearings	Roller bearings, classical calculation (contact angle cosbeta rating)			
13 Shafts	DIN 743:2012			
14				
15 GEARS				
- User Interface Table:**

	A	B	C	D	E	F
1						
2	Coupling	RESULTS	KINEMATICS			Calculations
3	Speed [rpm]	1000	Shafts	Total ratio	100.87	Upload file
4	Torque [Nm]	100		9118.2	Total efficiency	Calculate file
5	Power [kW]	10.472		-9.4658	90.39 %	Calculate Str
6	Type of Power	Input				Calculate Torque
7	Dir. of Rotation	Clockwise		Counterclockwise		
8						
9	Nominal load calculation	RESULTS	GEARS			
10	Open module with cW	SP [ ]	SH [ ]			
11		1.929	0.9805			
12	Par2	1.6607	0.98434			
13	Par3	1.424	1.0046			
14	Par4	1.411	1.0713			
15	Par5	1.423	1.1102			
- Diagram:** A schematic diagram showing the shaft arrangement (Shaft1 to Shaft5) and gear meshing within the gearbox housing.