

Seminar title	Jan.	Feb.	March	April	May	June	July
<b>INTRODUCTORY CLASSES</b>							
Introduction to LS-DYNA		1-3 <sup>1</sup>	29-31 <sup>2</sup>	26-28 <sup>1</sup>	30-1Jun <sup>2</sup>		
LS-PrePost - Geometry, mesh, and model creation		7 <sup>2</sup>			16 <sup>1</sup>		
Introduction to ICFD solver			16 <sup>1</sup>				
Introduction to Primer for LS-DYNA			23-24				
Introduction to Passive Safety for LS-DYNA							
<b>ANSA &amp; mETA</b>							
Introduction to ANSA & mETA				19-20 <sup>1</sup>			
ANSA CFD Meshing, Intro course	31 <sup>2</sup>						
<b>IMPLICIT CAPABILITIES</b>							
Advanced Implicit Analysis in LS-DYNA					3-5 <sup>1</sup>		
NVH & Frequency Domain in LS-DYNA							
Introduction to LS-DYNA Non-linear Implicit Analysis	18 <sup>2</sup>		17 <sup>1</sup>				
<b>CRASH</b>							
Crash Analysis							
Joining Techniques in LS-DYNA				4-5 <sup>2</sup>			
Contacts in LS-DYNA			20 <sup>1</sup>				
Impact and Drop Tests in LS-DYNA			8 <sup>2</sup>				
<b>METAL FORMING</b>							
LS-DYNA, Simulation of Sheet Metal Forming Processes		7-9 <sup>1</sup>					
<b>MATERIAL</b>							
Material Modelling and User Defined Material in LS-DYNA					29-31 <sup>1</sup>		
Material Failure				19-20 <sup>2</sup>			
Digmat Material Model for Fiber Reinforced Plastics			14-15 <sup>2</sup>				
Polymers/Elastomers				6-7 <sup>3</sup>			
Introduction to Composite Modelling			21-22 <sup>2</sup>				
Parameter Identification with LS-OPT					10 <sup>2</sup>		
<b>OPTIMIZATION</b>							
LS-OPT - Optimization & Robustness				4-6 <sup>1</sup>			
LS-OPT - Optimization				4-5 <sup>1</sup>			
LS-OPT - Robustness				6 <sup>1</sup>			
<b>DEFENSE</b>							
Explosives Modeling for Engineers							
Methods for Airblast on Structures (Blast Modeling)	Scheduled on request						
Penetration Modeling with LS-DYNA							
<b>CIVIL ENGINEERING</b>							
Concrete and Geomaterial Modeling							
<b>PASSIVE SAFETY</b>							
CPM Airbag Modeling							
<b>MULTIPHYSICS/BIOMECHANICS</b>							
ALE and FSI			21-22 <sup>3</sup>		15-16 <sup>3</sup>		
Electromagnetism in LS-DYNA					12 <sup>3</sup>		

1 <sup>1</sup> = Linköping      2 <sup>2</sup> = Göteborg      3 <sup>3</sup> = Stuttgart

August	Sep.	Oct.	Nov.	Dec.	Seminar title
<b>INTRODUCTORY CLASSES</b>					
29-31 <sup>2</sup>	27-29 <sup>1</sup>	24-26 <sup>2</sup>	28-30 <sup>1</sup>		Introduction to LS-DYNA
	18 <sup>2</sup>		21 <sup>1</sup>		LS-PrePost - Geometry, mesh, and model creation
	20 <sup>2</sup>				Introduction to ICFD solver
			23 <sup>2</sup>		Introduction to Primer for LS-DYNA
		11-12 <sup>2</sup>			Introduction to Passive Safety for LS-DYNA
<b>ANSA &amp; mETA</b>					
		12-13 <sup>1</sup>			Introduction to ANSA & mETA
		11 <sup>1</sup>			ANSA CFD meshing, Intro course
<b>IMPLICIT CAPABILITIES</b>					
		17-19 <sup>2</sup>			Advanced Implicit Analysis in LS-DYNA
Scheduled on request					NVH & Frequency Domain in LS-DYNA
			1 <sup>2</sup>		Introduction to LS-DYNA Non-linear Implicit Analysis
<b>CRASH</b>					
					Crash Analysis
			13-14 <sup>1</sup>		Joining Techniques in LS-DYNA
		3 <sup>2</sup>			Contacts in LS-DYNA
			2 <sup>1</sup>		Impact and Drop Tests in LS-DYNA
<b>METAL FORMING</b>					
			8-9 <sup>2</sup>		LS-DYNA, Simulation of Sheet Metal Forming Processes
<b>MATERIAL</b>					
				4-6 <sup>2</sup>	Material Modelling and User Defined Material in LS-DYNA
	13-14 <sup>1</sup>				Material Failure
			20-21 <sup>2</sup>		Digmat Material Model for Fiber Reinforced Plastics
					Polymers/Elastomers
					Introduction to Composite Modelling
		4 <sup>1</sup>			Parameter Identification with LS-OPT
<b>OPTIMIZATION</b>					
	12-14 <sup>2</sup>				LS-OPT - Optimization & Robustness
	12-13 <sup>2</sup>				LS-OPT - Optimization
	14 <sup>2</sup>				LS-OPT - Robustness
<b>DEFENSE</b>					
		20 <sup>3</sup>			Explosives Modeling for Engineers
Scheduled on request					Methods for Airblast on Structures (Blast Modeling)
		23-24 <sup>3</sup>			Penetration Modeling with LS-DYNA
<b>CIVIL ENGINEERING</b>					
		25-26 <sup>3</sup>			Concrete and Geomaterial Modeling
<b>PASSIVE SAFETY</b>					
					CPM Airbag Modeling
<b>MULTIPHYSICS/BIOMECHANICS</b>					
	19-20 <sup>3</sup>				ALE and FSI
		20 <sup>3</sup>			Electromagnetism in LS-DYNA