CoventorWare Detailed Planning

Date/Session	Topic	Proposed Agenda

05/17/21 *09:00 AM* *12:00 AM*	**Kickoff:** *CoventorWare* discovery	• Generic presentation of CoventorWare
		   ○ PowerPoint slides / *Start* CoventorWare
		• Introduction to CoventorWare design flow: basic MEMS device
		   ○ Open CoventorWare basic MEMS device project, discover process editor, designer, analyzer, Visualizer…
		   ○ Run simulation,
		   ○ Visualize results,
		• Technical presentations part I:
		   ○ Designer Layout & meshing,
		• Documentation presentation, including tutorials,

	Homework	• SiGe accelerometer: Designer and analyzer sections, • Online quiz
05/21/21 *09:00 AM* *12:00 AM*	**Homework review** Q&A	• Review of homework SiGe accelerometer: difficulties, explanations, etc, • Online quiz review, • Technical presentations part II: ○ Analyzer/Solvers, • Q&A

MEMS+ Detailed Planning

Date/Session	Topic	Proposed Agenda

05/24/21 *09:00 AM* *12:00 AM*	**Kickoff:** *MEMS+* discovery	• Generic presentation of *MEMS+*
		   ○ Slides / *MEMS+* Design Automation Flow,
		• Presentation of *MEMS+* UI and plugins
		   ○ MEMS+ demonstration,
		   ○ Slides on tab dependency and file extensions,
		• Introduction to MEMS+ design flow: simple cantilever beam with electrostatics
		   ○ Starting from *.mlib files create a first 3 components device (beam, plate + Electrode),
		   ○ Parametrized this model / run simulation,
		• Technical presentations part I:
		   ○ *MEMS+* physic mechanic
		   ○ *MEMS+* physic electrostatic
		• Documentation presentation, including tutorials,
		• Review the installation of *MEMS+* and third-party solvers,

	Homework	• SiGe accelerometer: Model Construction and Simulator sections, • Online quiz

05/28/21 *09:00 AM* *12:00 AM*	**Homework review** Q&A	• Review of homework SiGe accelerometer: difficulties, explanations, etc.
		• Online quiz review
		• Technical presentations part II:
		   ○ *MEMS+* physic fluidic
		   ○ Best practices for element connection
		• Q&A