

SOFA Technical Committee #20

- Agenda -

Day 1 - Wednesday 26th November

Location: [ESPRIT building, avenue Paul Langevin, Villeneuve-d'Ascq](#)

Room: demo room ground floor

Hybrid access: <https://www.sofa-framework.org/stc20/join>

	9:00 am	Welcoming breakfast	
SOFA activity overview	9:15 – 9:30 am	Opening STC#20 with consortium news	
	9:30 – 10:30 am	v25.12 roadmap contributions (1/2)	(each 10 min. max)
		(Ongoing) <ul style="list-style-type: none">• Design of a robotic application (IHM) - Hugo Talbot• Refactor object registration - Hugo Talbot• Python template library (prefabs) - Eulalie Coevoet• runSofa GUI (GLFW) - Paul Baksic• Cosserat rod plugin - Yinoussa Adagolodjo• Integration of the Caribou Plugin - Michel Duprez	
		(New) <ul style="list-style-type: none">• Refactoring Lagrange Constraint API - Alexandre Bilger• Collision Pipeline - Paul Baksic• Implementation of the IPC Method - Paul Baksic• Differentiable Simulation - Léo Bois• Parallelism - Frédérick Roy• Plugin RigidBodyDynamics - Olivier Roussel• Simulation Stability - Erik Pernod• Migration to GitHub Actions - Paul Baksic• Pixi and Continuous Integration Based on Pixi - Olivier Roussel• Validation & verification - Hugo Talbot	
	10:30 – 11:00 am	Coffee break	
11:00 – 12:00 pm	v25.12 roadmap contributions (2/2)		
12:00 – 12:30 pm	Roundtable Share your out-of-roadmap activity - past and future (without slide or 3 slides max)		
12:30 – 1:30 pm	Lunch		

	1:30 – 1:45 pm	Consortium missions Presentation of the v26.06 provisional roadmap	
Defining v26.06 roadmap	1:45 – 3:15 pm	Differentiable Simulation	
	3:15 – 3:45 pm	<i>Coffee break</i>	
Defining v26.06 roadmap	3:45 – 5:15 pm	Feedback on SOFA in the context of developing a robotics application	GPU-based collision detection
	5:15 – 5:30 pm	<i>Coffee break</i>	
	5:30 pm	Wrap up - Day 1	
	7:00 pm	<i>Social Event - Restaurant (La cour de la ch'tite brigitte)</i>	

Day 2 - Thursday 27th November

Location: [ESPRIT building, avenue Paul Langevin, Villeneuve-d'Ascq](#)

Room: demo room ground floor

	9:00 am	Welcoming breakfast	
Defining v26.06 roadmap	9:30 – 10:30 am	Evolution of the simulation engine and work on a common foundation	
	10:30 – 11:00 pm	Coffee break	
Defining v26.06 roadmap	11:00 – 12:30 pm	Elasticity plugin	
	12:30 – 1:30 pm	Lunch	
	1:30 – 3:00 pm	Free discussions	Sprint
	3:00 – 3:30 pm	Coffee break	
Defining v26.06 roadmap	3:30 – 5:00 pm	Verification & Validation	
	5:00 pm	Wrap up - Day 2	
	7:15 pm	Social Event - Bar (<i>La Mousse Touch</i>)	

Day 3 - Friday 28th November

Location: [ESPRIT building, avenue Paul Langevin, Villeneuve-d'Ascq](#)

Room: demo room ground floor

	9:00 am	Welcoming breakfast	
Defining v26.06 roadmap	9:00 – 10:30 pm	Python API enabling code generation for easy mechanical model implementation	
	10:30 – 12:30 pm	Free discussions	Sprint
	12:30 pm	Wrap up - STC#20 closing	