



The central graphic features the word 'WINTER' in large, bold, multi-colored capital letters (teal, blue, and purple). Above the 'I' in 'WINTER' is a black snowflake icon. Below 'WINTER' is the word 'School' in a black, sans-serif font, where the 'o's are replaced by two interlocking gears. The entire text is framed by a stylized circuit board pattern with lines and dots.

6-10 DÉCEMBRE 2021

Annecy



Location :

[Polytech Annecy-Chambéry](#), Université Savoie Mont Blanc

5 Chemin de Bellevue

Annecy-le-Vieux

Room C206-207

Language: English

The presentation of a valid “Green pass” (or “*pass sanitaire*”) and the wearing a surgical face mask or UNS1 category are mandatory to attend all sessions.

Students are required to have their own laptop computers during the sessions.

Monday 6th December

8:30 – 9:00	Green pass and pass sanitaire checking	
9:00 – 10:30	Welcome session	
9:00 – 9:15	Presentation of the programme of the school	Christine Galez (USMB)
9:15 – 9:25	Welcome message	Laurence Vignollet, Vice-rector for international relationships (USMB)
9:25 – 9:50	Brief mutual introduction of the student participants	
9:50 – 10:30	Presentation of the hackaton objectives	Camilo Hernandez
10:30 – 10:45	Break	
10:45 – 12:15	Conference/Lecture 1 about systems engineering and systems modeling	Vincent Capony (Geni6)
12:30 – 13:45	Lunch break	
14:00 – 15:30	Lecture: Robotics simulation environments (gazebo)	Camilo Hernandez (USMB)
15:30 – 15:45	Break	
15:45 – 17:15	Master in Computer Engineering at UniGe, Roberto Sacile (UniGe) Research activities at SYMME laboratory, Laurent Tabourot (USMB) Research activities at LISTIC, Sébastien Monnet (USMB)	

Tuesday 7th December

8:30 – 9:00	Green pass and passe sanitaire checking	
9:00 – 10:30	Conference/Lecture 2 about systems engineering and systems modeling	Vincent Capony (Geni6)
10:30 – 10:45	Break	
10:45 – 12:15	Conference/Lecture 3 about systems engineering and systems modeling	Vincent Capony (Geni6)
12:30 – 13:45	Lunch break	
14:00 – 15:30	Lecture: Forward/Inverse kinematics of a 3 degrees of freedom (DOF) robot	Camilo Hernandez (USMB)
15:30 – 15:45	Break	
15:45 – 17:15	Safe design of system	Mohamed Sallak (UTC)

Wednesday 8th December

Free activities

Thursday 9th December

8:30 – 9:00	Green pass and passe sanitaire checking	
9:00 – 10:30	Hackaton	Camilo Hernandez
10:30 – 10:45	Break	
10:45 – 12:15	Hackaton	Camilo Hernandez
12:30 – 13:45	Lunch break	
14:00 – 15:30	Hackaton	Camilo Hernandez
15:30 – 15:45	Break	
15:45 – 17:15	Hackaton	Camilo Hernandez

Friday 10th December

8:30 – 9:00	Green pass and passe sanitaire checking	
9:00 – 9:30	Case study: Brain Computer Interfaces	Enrico Zero, PhD student, UniGe
9:30 – 10:00	Case study: Autonomous Vehicles	Alessandro Bozzi, PhD student, UniGe
9:30 – 10:00	On data-driven modelling of dynamic movements for robotics	Freddy Liendo, PhD student, USMB
10:30 – 10:45	Break	
10:45 – 12:15	Model Based Engineering of Circuit Breaker	Christophe Chanvillard Benoit Leprettre (Schneider Electric)
12:30 – 13:45	Lunch break	
14:00 – 15:30	Hackaton: presentation of the results by the student teams (5 minutes/team) to the examination board	
15:30 – 15:45	Break	
15:45 – 17:15	Hackaton awards	

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Note on the acronyms:

Listic: Laboratoire d'Informatique, Systèmes, Traitement de l'Information et de la Connaissance

Symme: Systems and Materials for Mechatronics

UniGe: Università di Genova

USMB: Université Savoie Mont Blanc

UTC: Université de Technologie de Compiègne