


Agenda

Neapolis Innovation Summer Campus 2019

	Thursday August 29 th	Friday August 30 th	Monday September 2 nd	Tuesday September 3 rd	Wednesday September 4 th	Thursday September 5 th	Friday September 6 th	Saturday September 7 th	Sunday September 8 th
09:00	Welcome and Safety Rules	Interact with terminals using serial driver	System on Chip Challenges	Precise Positioning: overview	Team Project Work — The SPI: an half-duplex synchronous protocol (Demo Room)	Team Project Work	Open Day Team Project Work		
09:30	Introduction to 32-bit Microcontrollers		Artificial Intelligence and Microcontrollers	Team Project Work					
10:00			Review of previous days		<p>Welcome</p> <p>Revise closing presentations</p>				
11:00	Break	Break	Break	Break	Break	Break	Break	Brunch	
11:15	Toolchain and RTOS overview	First approach to textual interfaces: the shell	Continue review of previous days	Team Project Work	Team Project Work — Two wire serial: the I2C (Demo Room)	Team Project Work	Team Project Work	HackFest Challenges	Team Presentations
									Feedback
13:30	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	Awards	
14:30	Using GPIO peripherals	Generating squarewave with PWM	An overview of advanced drives	Working in a team	Team Project Work — Artificial Intelligence and Microcontrollers: hands-on (Demo Room)	Team Project Work	Team Project Work	HackFest Challenges	End
15:30			MEMS: future trends						
16:00	Break	Break	Break	Break	Break	Break	Break	Break	
16:15 - 18:00	LEDs and buttons	Sampling analog signals with ADC	Team Project Start	Multicultural Organizations	Team Project Work — Multithreading in details (Demo Room)	Team Project Work	Team Project Work	HackFest Challenges	

- What should I bring with me?

A laptop with administration rights and one of the following OS: Windows-XP, Vista 7, 8 or 10. In case of Linux or MacOS you should install a Windows virtual machine. We will provide you with all the devices and tools needed to develop your project.

- Where is the Summer Campus located?

In STMicroelectronics premises at Via Remo De Feo 1, Arzano (NA) in the Arzano-Casoria-Frattamaggiore (ACF) industrial area.

- Is public transportation available?

The nearest Trenitalia station is Casoria-Afragola which is a 25 minute walk from the Summer Campus location. Alternatively, contact the Facebook group to try to arrange a lift directly to the Summer Campus.

- Is an agenda of the Summer Campus available?

Follow the Facebook group to be updated. The Summer Campus will start every day at 9am and end at 6pm, except on Sunday 8 September when we end at 3pm.

- Is parking available?

Yes, about 50 parking slots are available before entering the site.

- Is lunch available?

Yes, meals will be available for free at the STMicroelectronics canteen between 1:30pm and 2:30pm

- Is WIFI available?

WiFi will be available to download datasheets and software tools only.

- The agenda looks challenging. Will I be able to complete it?

Don't worry, all exercises are step-by-step with tutors and student tutors available to guide you. What you have to do is to actively participate and be proficient in "C".

- I have some more questions

We suggest you to get in touch with tutors using the Facebook group



- I do not have Facebook. Is it mandatory?

No, it isn't but we suggest you to create a temporary profile. The group will be used to share knowledge and to get technical support through all the event.