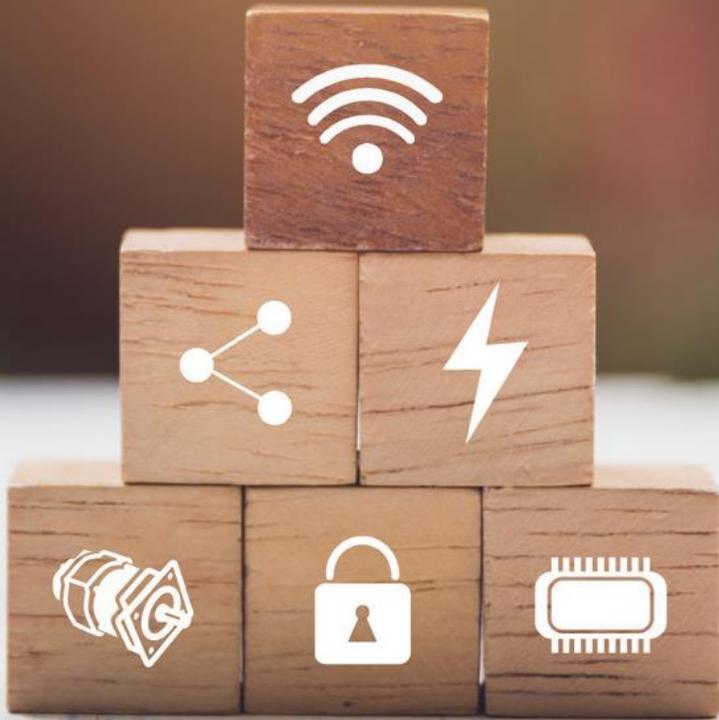




STMicroelectronics Leading to System Development AA 2021-2022



| Online Lesson | Topic |
|---|---|
| March 28 th 15:00 – 18:00 | <ul style="list-style-type: none"> • Course Opening (*) • System presentation: <ul style="list-style-type: none"> • Electronic System General Description and Main Components |
| April 4 th 15:00 – 18:00 | <ul style="list-style-type: none"> • Introduction to STM32 and STM32 ODE: <ul style="list-style-type: none"> • Intro to STM32 microcontrollers • STM32ODE overview: Nucleo, X-Nucleo, Function Packs, Tools • Programming Tools: <ul style="list-style-type: none"> • CubeMX & CubeIDE |
| April 11 th 15:00 – 18:00 | <ul style="list-style-type: none"> • Programming Example on STM32 |
| May 2 nd 15:00 – 18:00 | <ul style="list-style-type: none"> • Electric Motor and Actuators: <ul style="list-style-type: none"> • Driving a Three Phases Brushless Motor in Field-Oriented Control • Demo Session |
| May 9 th 15:00 – 18:00 | <ul style="list-style-type: none"> • Power Management <ul style="list-style-type: none"> • Power Conversion Basic Concepts • Power Management Systems (DC/DC Converters, Battery Chargers) • Mems Sensors Overview |
| May 16 th 15:00 – 18:00 | <ul style="list-style-type: none"> • Ultra-Low-Power Conversion, Energy Harvesting and Wireless Power Transfer • Course Closing |

() with the participation of Catania & Palermo Site Manager Eng. E. Astorino and ST Local HR Director dott. A. Ventura*