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Politecnico di Torino - Maxwell Room
24th May 2023 - 11.00 AM

Multivariate Analysis in Research and Industrial Environments



*Mr. **Antonio Costantino Marceddu**, PhD Candidate, DAUIN.*

Large amounts of data, such as that produced by **sensors**, especially cameras, can be used to reveal **hidden links** between the same data. To do this, **visualization** is often the most important tool. The main objective of the research is therefore to **analyse**, **visualize** and **propose** to the user data from different types of sensors.

Securing the Connected Home: Extending the MUD Architecture for Smart Home Gateways

*Mr. **Luca Mannella**, PhD Candidate, DAUIN.*

Discover how **Internet of Things (IoT)** systems can be secured with the **Manufacturer Usage Description (MUD)** standard. In this presentation, we will explore an extended **MUD architecture** for **smart home gateways**, in which developers can enhance their **plug-in's security**. Thanks to this solution, if properly integrated, even non-MUD-enabled devices can benefit of the MUD standard.



What WiFi Probe Requests can tell you



*Mr. **Riccardo Rusca**, PhD Candidate, DAUIN.*

Everyday, as we go about our business in a city, we carry around several **smart devices**, most of them with an active **WiFi interface**. This interface “**leaks**” **wireless traces**, or **footprints**, in the form of beacon or probe packets that can be used to **identify the presence of people** in certain areas. In this talk we want to show some test performed to understand if this technique is still viable today.



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