IEEE STMicroelectronics
INTERNSHIP INITIATIVE

STMicroelectronics is a world leader in providing the semiconductor solutions that make a positive contribution to people's lives, today and into the future. Offering one of the industry's broadest product portfolios, STMicroelectronics serves customers across the spectrum of electronics applications with innovative semiconductor solutions for Smart Driving and the Internet of Things. By getting more from technology to get more from life, STMicroelectronics stands for **life.augmented** (visit www.st.com for more details).

Advanced System Technology (AST) is a system R&D organization established to address the need of the Company to increase system know-how and to scout new technologies. AST is looking to highly motivated, high potential **students** (under graduated, graduate, PhD) to fill internship positions and be involved on break-through, exciting, and innovative R&D projects. Here a short list of the main themes proposed:

1) Intelligent Cyber Physical System (i-CPS) for heterogeneous sensing. CPS is a network of interacting computing systems, each one capable to measure and learn from a single physical quantity (e.g. temperature, acceleration, etc). The objective is to bring break through cognitive intelligence inside embedded systems.
2) Embedded Artificial Neural Networks. In the last few years, deep learning and in particular artificial neural networks emerged as the state of the art in terms of accuracy for a number of diversified tasks such as classification, detection and segmentation. The challenge is to bring them into embedded systems in an innovative way achieving ultra low power consumption.

Internships, limited to students, may take:
1) Up to 12 months for undergraduate MSc and PhD students
2) 6 months for graduated MSc

We look to very interested people, well committed to the project until the end of the internship period that will be regulated by a contract. The candidate has to be knowledgeable in C/C++ and python languages. Knowledge on Linux OS required. It shall have attitude to work diligently in a team of experts and with reliable creativity. Education in Software, Mathematic Engineering and Computer Science is required.

STMicroelectronics accordingly to his recruiting rules will offer salary that will be discussed during the formal interview. Language requirements are English or Italian.

For more information please contact
Danilo PAU; Tel: +39 0396035912; email danilo.pau@st.com
Advanced System Technology – Central Labs
Senior Principal Engineer, IEEE Senior Member, Senior Member of Technical Staff
Agrate Brianza, Italy