

Carlo Trigona currently serves as an Associate Professor at the University of Catania (DIEEI), Italy. He earned his M.S. degree in Automation Engineering and Control of Complex Systems (cum Laude) from the University of Catania in 2006, followed by a Ph.D. in Electronic, Automation, and Control of Complex Systems in 2010. Prior to joining DIEEI, he held post-doctoral positions at universities in France, Italy, and Germany.

Professor Trigona has received significant recognition for his research contributions. He was awarded the 2020 IEEE I&M Outstanding Young Engineer Award for his pioneering work in sensors and transducers for energy harvesting, and the 2023 IEEE I&M Best Application Award for developing innovative, biodegradable sensors that utilize plant responses to environmental factors.

His research output includes over 250 scientific publications, comprising chapters in books, papers in international journals, and conference proceedings. His research interests encompass sensors, transducers, MEMS, NEMS, fluxgate magnetometers, energy harvesting, and environmentally friendly sensors based on living organisms.