

## Biography

Dr. Veda is a senior scientist in the piezoMEMS group of Tyndall National Institute, Ireland. She has over 17 years of teaching and research experience. Her initial research has been on MEMS inertial sensors like microphones and accelerometers. She joined Tyndall National Institute in 2020 as a programme manager for the MEMS service. In Tyndall she is working on RF MEMS resonators.

**Programme Manager PiezoMEMS service:** This work involves customer interaction for EUROPRACTICE and ASCENT + service of PiezoMEMS. As a part of the job, she interacts with researchers, users across the globe who work on Piezoelectric MEMS devices and understand their needs for their technology development. She also communicates it to the foundry technicians and others in the group to come up with a solution to give the service to the customer. Under EUROPRACTICE standard services are offered. The other service platform in Tyndall is ASCENT+ which is a free of charge infrastructure platform. Here we are offering the customers small deviations from standard offerings.

**PiezoMEMS RF Resonators design:** As a senior Scientist she is currently working on design, simulation and modeling of SAW resonators. These resonators are useful in communication systems for 5G and 6G applications. They are used in RF filters, Oscillators etc. The technology can be pushed to GHz range with design modifications and fabrication techniques. We are looking for hybrid integration of these resonators with RF actives and RF passives.

## Photo



## Logo of the Institution

