IUVSTA-Elsevier Students Award for IMT PhD Student MSc Sofia Toto

The Marie Sklodowska-Curie action MIGRATE addresses some of the current challenges to innovation that face European industry with regard to heat and mass transfer in gas-based micro-scale processes. The associated ETN innovation training network spans numerical, experimental, theoretical and applied research experts across academia, large scale industry and high-tech SMEs. MIGRATE has received funding by the European Union's Horizon 2020 research and innovation programme.

More info can be found on www.migrate2015.eu.

MIGRATE Project Team

The MIGRATE project is coordinated by Prof. Dr. Jürgen Brandner, head of Microstructures and Process Sensors Group (MPS) at IMT. Within MIGRATE, 15 PhD students in 10 institutions combined with 6 associate partners, spread allover Europe, are working together to establish an improved network specifically on the topic of research and development of heat and mass transfer phenomena in microscale rarefied gas flows.
Within this project, MSc Sofia Toto is performing research in the field of development and characterization of novel pressure sensors. The objective here is to enhance the measurement range by combination of known technologies from high vacuum to above ambient pressure using a single micro sensor instead a sensor cascade, but providing same or even higher sensitivity. Additionally, the new sensor should work wirelessly, which would drastically reduce the rate of failure in vacuum technology.

The Award

The IUVSTA-Elsevier Awards are designed to give partial financial support to four postgraduate research students within seven years of obtaining their first degree at the start of the congress to help them to attend EVC conference at which they are presenting a paper.

More details can be found on
https://www.evc15.org/awards.html

EVC-15

15th European Vacuum Conference

17 - 22 June 2018, Geneva, Switzerland