Call for Application in Erasmus Learner Mobility Program at University of Sannio, Italy

Pulchowk Campus in collaboration with University of Sannio, Benevento, Italy (https://www.unisannio.it/en) under Erasmus Learner Mobility Project KA1712022 calls for application from graduate students of Pulchowk Campus to conduct their research at University of Sannio with support for travel and living expenses. The graduate students will have the opportunity for global exposure, exceptional learning environment and chances to work in world class laboratory with renowned professors.

The students who is pursuing or planning to pursue the research area which is closely associated with instrumentation and activities listed below can apply for the program. Interested candidates can prepare their proposal based on these activities conducted at the laboratory of Prof. Pasquale Daponte.

1) Implementation of a measurement system for calibrating the front-end of waveform recorders
   Link: https://www.sciencedirect.com/science/article/pii/S0263224122008089
2) EMG monitoring for fatigue classification
   Link: https://www.sciencedirect.com/science/article/pii/S0003687021002015
3) Implementation of a distributed measurement system for monitoring the health state of trees
   Link: https://ieeexplore.ieee.org/abstract/document/8755153
4) Implementation of a low-power data acquisition system for underwater monitoring of hydrothermal activities
   Link: https://ieeexplore.ieee.org/document/9950741
5) Instrumentation for the monitoring of sweat by iontophoresis.
   Links: https://doi.org/10.1212/WNL.0b013e3181c7da4b,
   https://doi.org/10.1115/1.4024527
6) Monitoring of buildings and infrastructures by drones
   Link: https://irisnatoproject.eu/
7) Marker-based vision system for static tests of infrastructures
   Link: https://docs.opencv.org/4.x/d5/dae/tutorial_aruco_detection.html
8) Classification of the health state of vegetation by means of drones
   Link: https://ieeexplore.ieee.org/document/9964645
9) Morphometric Parameter Measurements of Blood Cells
   Link: https://ieeexplore.ieee.org/abstract/document/9856479
   https://www.sciencedirect.com/science/article/pii/S2665917422000642
10) Implementation of distributed measurement systems for power quality analysis
    Link: https://ieeexplore.ieee.org/document/1304437
11) Synchronization of distributed measurement systems over LoRa
    Link: https://ieeexplore.ieee.org/abstract/document/9277516
12) Development of a system for light measurements in indoor environments (Pending Patent)
13) Development of a wearable system for the acquisition of ECG signals by means of Compressed Sensing (CS)
    Link: https://acta.imeko.org/index.php/acta-imeko/article/view/IMEKO-ACTA-09%20%282020%29-02-07/0

14) Analysis of localization methods based on Time Difference of Arrival (TDoA) measurements
Link: https://ieeexplore.ieee.org/document/9129267

Eligibility and Required Documents
Support seeking applicants must be enrolled in any Master's degree or PhD degree program within Pulchowk Campuses, IOE, TU. Interested candidates should submit this google form (https://forms.gle/trXyZYfubKf2Js9q7) with the mentioned documents by 30th May, 2023.

Selection
The selection procedure among the number of applicants will be based on the merits of their scores obtained on their study program and quality of proposal submitted. The proposal will be directed evaluated by team from University of Sannio, Benevento, Italy.

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