

PROJECT COOPERATION PROPOSAL

Project Title: Ambulatory Hypertensive Biosensor

THE UNIVERSITY OF
NEW SOUTH WALES



FACULTY OF THE
BUILT
ENVIRONMENT

Dear members of HBPRCA,

My name is Melody Shiue and I am a 4th year industrial design student at the University of New South Wales. For my thesis project, I am reinventing a novel ambulatory monitoring apparatus which can assist in the prognosis of hypertension and or related cardiovascular diseases, whilst improving the outpatient's quality of life.

This wearable non-invasive product could possibly monitor pulse wave velocity continuously by means of piezo-electric sensors; with which the data is stored and wirelessly transmitted to the user's personal electronic device i.e. mobile phone for blood pressure calibration. Such stored data may also be sent to the user's dedicated doctor for long-term diagnosis over a telemedicine platform.

Simultaneously the device can also detect when myocardial infarction occurs and alerts the nearest hospital for emergency aid; as the patient is likely to be alone and helpless.

This proposal is aimed at those who may be interested in my project discipline and would like to offer some form of support or collaboration to assist me in the actualization of my thesis goals.

If you are interested, please contact me on
0404 973 207,
Or e-mail to z3190685@student.unsw.edu.au.

It would be greatly appreciated and I look forward to hearing from you.

Sincerely,
Melody Yi-Yun Shiue

