



POZNAŃ UNIVERSITY OF TECHNOLOGY

FACULTY OF CHEMICAL TECHNOLOGY
INSTITUTE OF CHEMISTRY AND TECHNICAL ELECTROCHEMISTRY
PROFESSOR FRANÇOIS BEGUIN

TEL: +48 61 647-5985

E-mail: francois.beguin@put.poznan.pl

<http://powersourcesgroup.put.poznan.pl/>



PROPOSITION OF THREE MASTER THESIS STIPENDS IN POZNAŃ UNIVERSITY OF TECHNOLOGY

Objective of research: *A new generation of high energy hybrid capacitors - HYCAP*

We propose three master student stipends in the Faculty of Chemical Technology, Poznań University of Technology (Poland) for a collaborative work in the frame of the HYCAP project supported by the TEAM TECH Programme implemented by the Foundation for Polish Science.

The objective of the HYCAP project is to develop a new concept of high energy, environment friendly and low cost electrochemical capacitor (also called supercapacitor) based on the hybridization of electrodes undergoing different charging mechanisms. Such electrochemical capacitor could be used as energy storage device in electric and hybrid vehicles, tramways, starting of diesel engines, renewable energy harvesting, etc.

Within the frame of HYCAP, the students will design electrolytes and composite positive and negative electrodes. The materials and electrolytes will be characterized by physico-chemical and electrochemical techniques and further implemented in electrochemical capacitors.

This ambitious work programme, in collaboration with two renowned industrial partners in Poland, is recommended for a chemist interested by fundamental and applied science, and aiming at developing a future carrier connected with research and industrial developments. The fellow should possess some background in materials science and electrochemistry. She/he should be good team player and have ability and willing to taking initiative. Good English speaking and writing is also required.

Tax free stipends from October 1st, 2019 to June 30th, 2020

Candidates wishing to apply are requested to send their Curriculum Vitae, a recommendation letter from their current scientific supervisor, a motivation letter, attested copies of education certificates including grade reports and other documents to Professor F. Béguin (francois.beguin@put.poznan.pl) before **July 5th, 2019**.

More information on: <http://powersourcesgroup.put.poznan.pl/>



European Union
European Regional
Development Fund

