



Professor François Béguin
FACULTY OF CHEMICAL TECHNOLOGY
Institute of Chemistry and Technical Electrochemistry
ul. Berdychowo 4, 60-965 Poznań, tel. +48 61 647 5985
e-mail: francois.beguin@put.poznan.pl, <http://powersourcesgroup.put.poznan.pl>

PROPOSITION OF POST-DOCTORAL POSITION

Research project: *A new generation of high energy hybrid capacitors - HYCAP*

We propose a Post-Doctoral position in the Power Sources Group (<http://powersourcesgroup.put.poznan.pl/>) at Poznan 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, environmentally friendly and low cost electrochemical metal-ion capacitor based on the hybridization of an EDL positive electrode with an insertion anode. Within the frame of HYCAP, the fellow will design optimised composites for both electrodes and couple advanced physico-chemical and electrochemical methods to characterize and optimise the materials. Prototype hybrid test cells will be then realized by combining the two types of electrodes and deeply investigated to determine their characteristic electrochemical parameters.

The candidates interested by this ambitious project are required to possess excellent background in materials chemistry and electrochemistry. The work programme is recommended for a chemist interested by fundamental and applied science, and aiming at developing a future carrier connected with research and industrial developments. She/he should be good team player and have ability and willing to taking initiative. Good English speaking and writing is also mandatory.

Starting and ending dates: April 1st, 2020 to March 31st, 2021

Candidates wishing to apply are requested to send:

- i) their Curriculum Vitae (including a detailed description of research experience and foreign traineeships, a list of publications and presentations in conferences);
- ii) recommendation letters from their current scientific supervisors;
- iii) a motivation letter;
- iv) copies of their most representative research publications (maximum 3);
- v) attested copies of education certificates including grade reports and other documents

to Professor F. Béguin (francois.beguin@put.poznan.pl). Any application without all these documents will be automatically rejected.

For detailed information on employment conditions and remuneration, please contact Professor F. Béguin (francois.beguin@put.poznan.pl) or tel. +48 61 647 5985

