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**INSTYTUT NAUK GEOLOGICZNYCH
POLSKIEJ AKADEMII NAUK**

INSTITUTE OF GEOLOGICAL SCIENCES
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**PhD position in the GeoPlanet Doctoral School, Institute of Geological Sciences,
Polish Academy of Sciences**

Principle Investigator: Prof. dr hab. Stanisław Mazur

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Project summary on the NCN website: <https://www.ncn.gov.pl/sites/default/files/listy-rankingowe/2021-09-15okipi34a/streszczenia/539852-en.pdf>

For more extensive summary see: <https://drive.google.com/file/d/1anwfWQM8-tMc3-0TxGNwcB35yKPXEqF8/view?usp=sharing>

Funding source: National Science Centre Poland, OPUS-22

Project ID: 2021/43/B/ST10/01392

Scientific supervisors: prof. dr hab. Stanisław Mazur, dr hab. Sergiy M. Stovba, prof.
Randell Stephenson

Application deadline: 03.02.2023

Start of the scholarship: 01.03.2023

Duration of the employment in the NCN project: 48 months

Remuneration: 5000 PLN gross gross/month

Location: Institute of Geological Sciences, Polish Academy of Sciences, Kraków, Poland

We offer:

- Work in the leading geological research institute in Poland;
- Remuneration paid as a scholarship for the duration of the project (5000 PLN gross gross/month for 48 months);
- Participation in international Earth science conferences;
- Research stays at foreign universities and possible collaboration with the industry;
- Intensive course of Polish language for foreigners;
- Possibility to apply for additional internal and external funding to extend the time or amount of the scholarship.

Requirements / Expectations:

- MSc degree in Earth sciences (geology or geophysics);
- Determination to pursue scientific career in the future;
- High degree of motivation, communicativeness and creativity, the ability to work both independently and in a team;
- Background in structural geology, tectonics, basin analysis, and seismic interpretation;
- At least basic knowledge in programming (Python, MATLAB, C++);
- Knowledge of ArcGIS environment or similar GIS software;
- Proficiency in spoken and written English;
- Willingness to learn basics of Polish language;
- Knowledge of regional geology of the study area and/or Ukrainian language will be a plus.

Duties / Responsibilities:

- Building of a 3-D structural model constrained by seismic profiles and boreholes;
- Basin subsidence modelling in 1-D and 2-D;

- Processing of gravity and magnetic data, 2-D and 3-D forward and inverse modelling of potential field anomalies;
- Oral presentations (or posters) in international conferences;
- Preparation of the scientific articles and periodic reports;
- Participation in doctoral studies organized by Doctoral School Geoplanet (geoplanetschool.pl).

Form of submitting documents:

Applications should be submitted by 03.02.2023 to the principle investigator of the project, prof. Stanisław Mazur via e-mail: ndmazur@cyf-kr.edu.pl or stanislaw.mazur@yahoo.co.uk and to the Scientific Information Office of the Institute via e-mail: rekrutacja_ingpan@twarda.pan.pl. In the title of the message, please, indicate "**DDB 2**".

For more information, please, contact prof. Stanisław Mazur via e-mail: ndmazur@cyf-kr.edu.pl or stanislaw.mazur@yahoo.co.uk.

Note:

Full information, details and forms required by the Doctoral School can be find at the following link: <https://www.ing.pan.pl/en/education/geoplanet-doctoral-school>