



**Institute of Geophysics
Polish Academy of Sciences**

BULLETIN 5/2019, NOVEMBER 2019

Dear Friends,

Welcome to the fifth issue of the IG PAS BULLETIN. This time we will present new opportunities for potential supervisors and more, the inauguration of the International Environmental Doctoral School, more projects at the Institute, and more. Enjoy your reading!

Latest events

Inauguration of the International Environmental Doctoral School

On October 18, the inauguration of the academic year 2019/2020 took place at the International Environmental Doctoral School. During the ceremony, a cooperation agreement was signed between the Center for Polar Studies at the University of Silesia and the University Center in Svalbard (UNIS) as well as the inaugural lecture "Rapid Arctic change challenges our scientific approaches; are we equipped?" by prof. Dr. Kim Holmén - International Director Norwegian Polar Institute, The Chair of the Svalbard Integrated Earth Observing System (SIOS) Board of Directors.

New projects at Institute

- POLAR STAR - ERASMUS +project in partnership with institutions from Finland, Greece, Cyprus, Spain, Portugal and Ireland, dedicated to astronomy and field issues; the role of the Institute will be to develop tasks for 5 polar packages
- The new National Science Center call is an interesting offer for (potential) supervisors and future PhD students - the first [PRELUDIUM BIS](#) call lasts until December 16 - financing includes attractive scholarship for a doctoral student, funds for the supervisor, trips, visits, consultations, etc. The obligatory foreign doctoral internship will be financed by the National Agency for Academic Exchange under a separate budget.

For current funding opportunities, please contact Project Management Department.

Upcoming events

EDU-ARCTIC.PL project: inaugural lecture

On November 21 at 5 pm., an open lecture by Prof. Paweł Rowiński: One and a half degree. Sc will take place. The lecture will also be the inauguration of the EDU-ARCTIC.PL project, which will promote the achievements of Polish science, in particular polar research, but will also present current global challenges, key phenomena, the latest discoveries and accomplishments.

Kacper Rafał Rybicki scholarship

Until November 30, candidates may be submitted to the Scholarship of Kacper Rafał Rybicki. Candidates - young researchers and PhD candidates - can be nominated by the heads of Departments and researchers-specialists in the field represented by the candidate.

Acta Geophysica: specially recommended

The most popular articles in the October issue of Acta Geophysica are embedded in hydrology and hydrodynamics - and yet their topics are very diverse.

Do recursive neural networks with LSTM - the "classic" of the arsenal of deep learning techniques - allow to predict low-flow hydrological time series? [LINK](#)

How can a one-step method of direct inversion effectively reduce errors in determining the elastic parameters for deep tanks? [LINK](#)

What does the Pearson distribution function type IV look like to describe a parametric flow hydrograph?

[LINK](#)