

Dear Colleagues,

We have a great pleasure to invite you to participate and give a talk at the Banach Center Conference

Complex Differential and Difference Equations II

which will take place at the Mathematical Research and Conference Center in Będlewo, near Poznań, Poland, from August 28 to September 1, 2023.

The registration is already open on the web page:

<https://www.impan.pl/23-cdde2>

where you can also find another useful information.

We have a limited number of grants covering local expenses for PhD students and young researchers who cannot be funded by their own institutions (see information on the web page).

The overall goal of the conference is to bring together the leading experts in the theory of differential and difference equations in the complex domain from different countries, to tackle and find approaches to the open problems in the topics mentioned below, exchange recent research results, learn new methods in the related areas (which is invaluable especially for younger researchers) and identify new topics for future research. The meeting is also expected to promote existing and start new collaboration between colleagues from different universities.

Main topics of the conference:

- WKB analysis and Stokes geometry of differential equations
- Integrable systems with applications to mathematical physics
- Ordinary differential equations in the complex plane
- Holomorphic vector fields, normal forms
- Special functions, orthogonal polynomials, Painlevé equations
- Formal and analytic solutions of PDEs and difference equations in the complex plane
- Asymptotic expansions, Gevrey estimates, summability

Feel free to forward this information to colleagues or students that might be interested.

If you have any questions, please contact us: 23-cdde2@impan.pl

With the best regards,

Alberto Lastra, Grzegorz Lysik, Sławomir Michalik and Yoshitsugu Takei
Organizing Committee of CDDE II