



# WINTER SCHOOL

## Geometric and Topological Methods in Dynamics of PDEs

February 13–15, 2023

VENUE: Faculty of Mathematics and Computer Science,  
Nicolaus Copernicus University in Toruń, ul. Chopina 12/18, Toruń, Poland

FOR WHOM (but not only):  
PhD students, Master's students, Young reserchers in Mathematics

### LECTURES

**TOMASZ CIEŚLAK**  
(Polish Academy of Science)

**Spiral vortex sheets and 2D Euler**

**ALEKSANDER ĆWISZEWSKI**  
(Nicolaus Copernicus University in Toruń)

**Standing waves for Schrödinger  
equation with Kato-Rellich type potential**

**PIOTR KOKOCKI**  
(Nicolaus Copernicus University in Toruń)

**Painlevé II transcendents  
and applications to PDEs**

**MACIEJ STAROSTKA**  
(Gdańsk University of Technology,  
Martin Luther University Halle-Wittenberg)

**Applications of the Conley  
index theory**

Details: [cbn.umk.pl/winter-school-2023](http://cbn.umk.pl/winter-school-2023)



### Organizers:



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