



## Hypercomplex Seminar 2014

### (Hyper)Complex and $k$ -nary Clifford Structures vs. Harmonicity, Modelling of Dynamical Processes, Chaos, Atomic Simulations, and Nanostructures (25 years of the direct cooperation agreement Łódź – México)

21 – 28 June 2014, at Będlewo

#### Organizing Committee:

Bogdan Bojarski (Warszawa), Fray de Landa Castillo Alvarado (México),  
Julian Ławrynowicz (Łódź), Stefano Marchiafava (Roma),  
Dariusz Partyka (Lublin), Hariton Polatoglou (Thessaloniki),  
Jakub Rembieliński (Łódź), Yuri Zelinskii (Kyiv)

#### Scientific topics:

- commemorating Professor Zygmunt Charzyński (1914–2001) and sixty years of international conferences on analytic functions and related topics in Poland (I – Łódź 1954, XVII – Chełm 2014),
- commemorating 25 years of the direct cooperation agreements Łódź (Univ. & Polish Acad. Sci.) — México (IPN),
- harmonicity and modelling of dynamical processes,
- (hyper)complex and  $k$ -nary Clifford & related structures vs.  $k$ -nary alloys, quark models, and colours of elementary particles,
- (hyper)complex methods vs. chaos and quantum information; applications to atomic simulations and nanostructures.

Among invited lectures we expect those by Bogdan Bojarski (Warszawa), Pierre Dolbeault (Paris), Jerzy Grzybowski (Poznań), Tadeusz Iwaniec (Syracuse, NY), Ralitzia K. Kovacheva (Sofia), Adam Lecko (Olsztyn), Piotr Liczberski (Łódź), Stefano Marchiafava (Roma), Dariusz Partyka (Lublin), Hariton Polatoglou (Thessaloniki), Jakub Rembieliński (Łódź), Lino F. Reséndis Ocampo (México), Osamu Suzuki (Tokyo), Luis M. Tovar Sánchez (México), Zhi-dong Zhang (Shenyang).

The organizers can fully support few participants (full board and accommodation), travel excluded. The others have to pay 940 złotys (ca. 230€ or 310 US\$), which includes full board and accommodation from 21 June lunch till 28 June breakfast (840 złotys) and other costs. The Mathematical Research and Conference Center is situated 35 kms South of Poznań and 7 kms West of the nearest railway station at Mosina (railline Poznań – Leszno – Wrocław) in a picturesque noble palace surrounded by a 9 hectare park. It is a perfect starting point for hikes to lakes and forests of the Wielkopolski National Park which is right next to the palace.

The seminar is organized jointly with the University of Łódź.

For more information please contact:

Julian Ławrynowicz, University of Łódź, Pomorska 149/153, 90-236 Łódź, Poland,  
E-mail: [jlawryno@uni.lodz.pl](mailto:jlawryno@uni.lodz.pl), WWW: <http://bcc.impan.pl/14Hyper/>

The numbers of the bank accounts of the Mathematical Research and Conference Center in Będlewo can be found at <http://www.impan.pl/BC/accounts.html> .