



## Hypercomplex Seminar 2013

### (Hyper)Complex Clifford and Jordan Structures, Applied Harmonic Mappings, Fractals, Chaos, and Atomic Simulations Applied in Nanotechnology

4 – 11 July 2013, at Będlewo

#### Organizing Committee:

Bogdan Bojarski (Warszawa), László Kozma (Debrecen),  
Julian Ławrynowicz (Łódź), Stefano Marchiafava (Roma),  
Dariusz Partyka (Lublin), Hariton Polatoglou (Thessaloniki),  
Osamu Suzuki (Tokyo), Yuri Zelinskii (Kyiv)

#### Scientific topics:

- sixty years of pure and applied complex analysis after Z. Charzyński's paper *Sur les fonctions univalentes bornées*, *Rozprawy Mat. – Dissertationes Math.* 2 (1953), 57 pp.,
- applied harmonic mappings,
- para-quaternionic, Clifford, Jordan, Ingarden, and fractal structures vs. surface properties of crystals,
- (hyper)complex methods vs. bifurcation, chaos, and quantum information,
- atomic simulation applied to nanotechnology.

Among invited lectures we expect those by Bogdan Bojarski (Warszawa), Pierre Dolbeault (Paris), Oleg Gerus (Zhytomyr), László Kozma (Debrecen), Adam Lecko (Olsztyn), Stefano Marchiafava (Roma), Dariusz Partyka (Lublin), Jacques H.H. Perk (Stillwater, OK), Hariton Polatoglou (Thessaloniki), Claude Surry (Font Romeu), Osamu Suzuki (Tokyo), Massimo Vaccaro (Roma / Salerno), Wolfgang L. Wendland (Stuttgart), Yuri Zelinskii (Kyiv), 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 295 US\$), which includes full board and accommodation from 4 July lunch till 11 July 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:

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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> .