

Organisation von Tagungen, Sessions und Symposia

1992 September 7 — 10

Symposium on
"Hypercomplex analysis, transforms and applications"

Venue: Holzgau

Organiser: E. Lanckau (Chemnitz), W. Sproessig (Freiberg)

Topics: Problems of hypercomplex analysis and corresponding transforms, hypercomplex structures especially Clifford algebras and quaternions with applications to analysis, geometry, physics and engineering. Besides hypercomplex methods are used together with methods of transform analysis for the representation of profound physical connections and for the treatment of boundary value problems of partial differential equations.

Remarks: The Symposium took place in the frame of the 100th anniversary of the foundation of the Mathematical Institute of the Mining Academy of Freiberg and the 500th anniversary of the birthday of Adam Ries. Altogether 28 researchers from 9 countries met in Holzgau.

1996 June 5 – 7

Symposium on *"Analytical and Numerical Methods in Quaternionic and Clifford Analysis"*

Venue: Seiffen (Saxony)

Organiser: W. Sproessig (Freiberg), K. Guerlebeck (Weimar)

Topics: In this meeting took part about 40 people of 12 countries. Among them people of geometric algebra, people of physics, people of geometry, people of history, people of applications of clifford analysis and people of integral transforms. This symposium has contributed in making contacts between theorists of clifford analysis and users of it. There have been numerous conversations for the curriculum development in this branch.

Proceedings: University of Mining and Technology Freiberg ASIN : 3860120417

Remark: Sponsored by Volkswagen-Stiftung

1999 June 27 – July 3

"The Fifth Conference on Clifford Algebras and Their Application in Mathematical Physics"

Venue: Ixtapa (Mexico)

Session: "Global and Local problems for Dirac operators"

Organiser: E. Ramirez de Arellano, J.Ryan, W. Sproessig

Proceedings: Ryan John and Wolfgang Sproessig, (2000) Clifford Algebras and Their Applications in Mathematical Physics, Volume 2: Clifford Analysis, Birkhuser Boston, ISBN: 0817641831

2000 August 1 – 6

International Conference ” *On Clifford Analysis, its Applications and Related Topics*”-In honour of Professor Loo-keng Hua at the occasion of his 90th Birthday

Venue: Beijing, People’s Republic of China

Organiser: Xinhua Ji (Bejing), Z. H. Chen (Shanghai), W. Sproessig (Freiberg), K. Guerlebeck (Weimar) (and local organising Committee)

Topics: The main goal is to bring together scientists active in Clifford analysis and its applications to mathematical physics and mathematicians from complex function theory in one or more dimensions. The organizers are especially interested in applications to harmonic analysis, the study of singular integral operators, and numerical methods based on Clifford analytic or function theoretic approaches.

Proceedings: K. Guerlebeck, X. Ji, W. Sproessig: in *Advances in Applied Clifford Algebras*, Mexico-City, ISSN 0188–7009.

2001 August 20 – 25.

Third ISAAC Congress

Venue: Berlin

Session: ”Hypercomplex Analysis ”

Organiser: K. Guerlebeck(Weimar), M. Shapiro (Mexico-City), W. Sproessig (Freiberg)

2004 September 10 – 14

ICNAAM 2004 – Main Congress of the European Society of Computational Methods in Science and Engineering

Venue: Chalkis (Greece)

Session: Clifford analysis and its applications

Organiser: W. Sproessig (Freiberg), K. Grlebeck(Weimar)

2005 September 16 – 20

ICNAAM 2005 – Main Congress of the European Society of Computational Methods in Science and Engineering

Venue: Rhodos (Greece)

Symposium: ”Dirac-Operators”

Organiser: W. Sproessig (Freiberg) K. Guerlebeck (Weimar)

2005 May 19 – 21.

Tag der Funktionentheorie

Venue: Freiberg

Organiser: E. Wegert, M. Eiermann, W. Sproessig, G. Semmler (alle Freiberg)

2006 July 12 – 14.

17th International Conference on the Applications of Computer Science and Mathematics in Architecture and Civil Engineering

Venue: Weimar

Session: Function theory and its applications

Organiser: K. Guerlebeck (Weimar), H. Malonek (Aveiro), W. Sproessig (Freiberg)

2006 September 15 – 19.

ICNAAM 2006

Venue: Hersonnissos, Crete (Greece)

Session: Applied Clifford Analysis

Organiser: K. Guerlebeck (Weimar), W. Sproessig (Freiberg)

2007 September 16 – 20.

ICNAAM 2007

Venue: Corfu (Greece)

Session: Clifford Algebras in Mathematics and Applied Sciences

Organiser: K. Guerlebeck (Weimar), W. Sproessig (Freiberg)