# ALTERMAN CONFERENCE    Braşov, August 4th-6th, 2016

| Time | 4th | 5th | 6th |
|---|---|---|---|
| 9:00-9:30 | Welcome | | |
| 9:30-10:00 | **Jose Vargas** *What the Kähler calculus can do that other calculi cannot* | Kähler Calculus | Kähler Calculus |
| 10:00-10:30 | **Pierre Ph. Dechant** *A systematic construction of representations of quaternionic type* | **Jaroslav Hrdina** *Inverse kinematics based on binocular vision* | **Panackal Harikrishnan & Bernardo Lafuerza** *Linear 2-normed spaces and 2-Banach algebras* |
| 10:30-11:00 | **Srikanth Prabhu** *Facial recognition using modern algebra and machine learning* | **Kuncham Syam Prasad & Kedukodi Babushri Srinivas** *Ideals in matrix rings and group nearrings* | **Dmitriy Shirokov** *On some Lie groups containing Spin groups in Clifford algebra* |
| 11:00-11:30 | **break** | **break** | **break** |
| 11:30-12:00 | **Paolo Freguglia** | **Rafal Ablamowicz** | **Oliver Conradt** *Projective, Clifford and Grassmann algebras* |
| 12:00-12:30 | *Peano reader of H. Grassmann's Ausdehnugslehre* | *On Clifford algebras and related to them finite groups and group algebras* | **Oliver Conradt** *Projective geometry with projective algebra* |
| 12:30-13:00 | **Ramon González** *The affine and projective geometries from Grassmann's point of view* | **Nikolay Marchuk** *Tensor products of Clifford algebras* | **Dimiter Prodanov** *Clifford algebra implementations in Maxima* |
| 13:00-13:30 | **Kedukodi Babushri Srinivas & Kuncham Syam Prasad** Scaled planar nearrings | **Vladimir Dzhunushaliev** *The simplest non-associative generalization of supersymmetry* | **Rodolfo Fiorini** *Geometric algebra and geometric calculus applied to pre-spatial arithmetic scheme to enhance modelling effectiveness in biophysical applications* |
| 13:30-15:30 | **lunch** | **lunch** | **lunch** |
| 15:30-16:00 | **Vadiraja G. R. Bhatta** Polinomial permutations of finite rings and formation of Latin squares | **Ramon González** *On matrix representations of geometric (Clifford) algebras* | **Pierre Ph. Dechant** *A conformal geometric algebra construction of the modular group* |
| 16:00-16:30 | **Danail Brezov** *Higher dimensional representations of $SL_2$ and its real forms via Plücker embedding* | **Akifumi Sako** *Fock representations and deformation quantization of Kähler manifolds* | **Zouhair Mouayn** *Coherent states and Berezin transforms attached to Landau levels* |
| 16:30-17:30 | Kähler Calculus | Kähler Calculus | Kähler Calculus |