




**PROGRAM OF
THE SIXTH INTERNATIONAL CONFERENCE ON
CLIFFORD ALGEBRAS AND THEIR APPLICATIONS IN MATHEMATICAL PHYSICS
MAY 20-25, 2002
Tennessee Technological University, Cookeville, Tennessee**

[\[program\]](#)

Monday, May 20, 2002

[\[next day\]](#)

Legend: BR119 = Bruner Hall 119, etc.

Time	Room	Session/Chair	Code/Speaker/Title
8:15 - 8:30	BR119		Conference Opening
8:30 - 9:30	BR119	Plenary	[PT-M1] J. C. Varilly , " The Interface of Noncommutative Geometry and Physics "
9:30 - 9:40			Break
9:40 - 10:40	BR119	Plenary	[PT-M2] H. Baum , " Conformally Invariant Spinor Field Equations and Special Geometric Structures "
10:40 - 10:50			Break
10:50 - 11:30	BR123	Analysis/M. Martin	[RT-M1A] W. Sproessig , " Clifford Calculus for Pseudoparabolic Problems "
	BR124	Geometry/T. Branson	[RT-M2A] M. Rosenbaum , " Hopf Algebras and Normal Coordinates in the Geometry of Renormalization "
	BR126	Structures/L. Dabrowski	[RT-M3A] A. Micali , " On Hardy-Weinberg Quadratic Forms "
	BR127	Physics/T. Dray	[RT-M4A] J. S. R. Chisholm , " Algebraic Spinors on Clifford Manifolds "
	BR104	Physics/G. Sobczyk	[RT-M6A] Y. Friedman , Y. Gofman, " Why Does the Geometric Product Simplify the Equations of Physics? "
	BR306	Applications/G. Sommer	[RT-M5A] G. Scheuermann , " Analysis and Visualization of Vector Fields Using Clifford Algebra "
11:30 - 12:10	BR123	Analysis/M. Martin	[RT-M1B] U. Kaehler , " Hardy-Littlewood Inequalities and Q_p-Spaces "
	BR124	Geometry/T. Branson	[RT-M2B] G. Grantcharov , G. Papadopoulos, Y. S. Poon, " Geometry of HKT Structures and Reduction "
	BR126	Structures/L. Dabrowski	[RT-M3B] P. Angles , " Triality in Algebraic Cliffordian Language "
	BR127	Physics/T. Dray	[RT-M4B] G. Trayling , W. E. Baylis, " A Geometric Basis for the Standard-Model Gauge Group "
	BR104	Physics/G. Sobczyk	[RT-M6B] J. Conway, D. Smith , " The Integral Octonions "
	BR306	Applications/G. Sommer	[RT-M5B] J. J. Koenderink , " The Geometrical Interpretation of Classical Colorimetry "
12:10 - 1:15			Lunch 
1:15 - 2:15	BR119	Plenary	[PT-M3] C. A. Berenstein , " Problems of Pompeiu and Morera Type in Quaternionic Spaces "
2:15 - 2:25			Break
2:25 - 3:25	BR119	Plenary	[PT-M4] M. Eastwood , " Symmetry and Differential Invariants "
3:25 - 4:00			Coffee Break  in Bruner 112
4:00 - 4:40	BR123	Analysis/M. Mitrea	[RT-M1C] J. Tolksdorf , " Spontaneous Symmetry Breaking and Operators of Dirac Type "
	BR124	Geometry/M. Eastwood	[RT-M2C] T. Branson , " Automated Symbolic Computation in Spin Geometry "
	BR126	Structures/O. Suzuki	[RT-M3C] D. Marks , " A Binary Index Notation for Clifford Algebras "
	BR127	Physics/J. S. R. Chisholm	[RT-M4C] N. S. Mankoc Borstnik , H. B. Nielsen, " Where Do Families of Quarks and Leptons Come From? "
	BR104	Physics/H. Krüger	[RT-M6C] A. Hernandez Perez , G. Sobczyk, " Special Relativity in the Complex Vector Algebra Formalism "
	BR306	Applications/J. M. McCarthy	[RT-M5C] A. N. Lasenby , J. Lasenby, " A Unifying Language for Geometry "
4:40 - 5:20	BR123	Analysis/M. Mitrea	[RT-M1D] E. Marmolejo-Olea , Salvador Perez-Esteva, Michael Shapiro, " Banach Modules of Eigenfunctions of the Dirac Operator in the Plane "
	BR124	Geometry/M. Eastwood	[RT-M2D] J. Lawrynowicz , " Periodicity Theorems for Graded Fractal Bundles Related to Clifford Structures "
	BR126	Structures/O. Suzuki	[RT-M3D] H. Li , " On Symbolic Computation with Clifford Algebra "
	BR127	Physics/J. S. R. Chisholm	[RT-M4D] T. Smith , " Cl(8), Spin(8)=D4, D5, E6 and the Truth Quark Mass "
	BR104	Physics/H. Krüger	[RT-M6D] B. Jancewicz , " Constitutive Relations in Terms of Differential Forms "
	BR306	Applications/J. M. McCarthy	[RT-M5D] J. Lasenby , A. N. Lasenby, R. J. Wareham, " Conformal Geometric Algebra as a Language for Computer Graphics "
5:20 - 6:00	BR123	Analysis/M. Mitrea	[RT-M1E] H. R. Malonek , " Clifford Analysis as Function Theory in Codimension 1 "
	BR124	Geometry/M. Eastwood	[RT-M2E] D. Galehouse , " Towards a Geometry of Quantum Mechanics and Fundamental Spin "
	BR126	Structures/O. Suzuki	[RT-M3E] A. Gasparyan , " Compound Clifford Algebras and Clifford Networks "
	BR127	Physics/J. S. R. Chisholm	[RT-M4E] J. Bough, D. R. Finkelstein , A. Galiautdinov, " Clifford Algebra of Physical Operations "
	BR104	Physics/H. Krüger	[RT-M6E] J. Keller , " Density Functional Theory from Geometric Analysis "
	BR306	Applications/J. M. McCarthy	[RT-M5E] R. Wareham , " Implementation of a Computer Graphics Package using Conformal Geometric Algebra "
6:00			Dinner 

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Last revised: April 29, 2002/ra

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Tennessee Technological University, Cookeville, Tennessee

[previous day] **Tuesday, May 21, 2002** [next day]
Legend: BR119 = Bruner Hall 119, etc.

Time	Room	Session/Chair	Code/Speaker/Title
8:15 - 8:30	BR119		Announcements
8:30 - 9:30	BR119	Plenary	[PT-T1] P. Jorgensen , " Quantum Wavelet Algorithms: Factorization, and Use of Clifford Groups and Algebras "
9:30 - 9:40			Break
9:40 - 10:40	BR119	Plenary	[PT-T2] T. Iwaniec , " A Study of Nonlinear PDE's via Exterior Algebra "
10:40 - 10:50			Break
10:50 - 11:30	BR123	Analysis/W. Sproessig	[RT-T1A] J. Ryan , "Clifford and Harmonic Analysis on Some Conformally Flat Manifolds"
	BR124	Geometry/P. Jorgensen	[RT-T2A] A. Jadczyk , "Quantum Jumps with Indefinite Metric. Hyperbolic Quantum Fractals"
	BR126	Structures/S. N. Mankoc Borstnik	[RT-T3A] R. Serodio , "Zeros and Construction of Left Octonionic Polynomials"
	BR127	Physics/D. Smith	[RT-T4A] J. Besprosvany , "Standard-Model Representations and Interactions from Field Equations on an Extended Spin Space"
	BR104	Physics/J. M. Parra	[RT-T6A] J. Kocik , "Clifford Algebra Valued Quantum Mechanics"
	BR306	Applications/C. Perwass	[RT-T5A] E. Bayro-Corrochano, J. F. Alvarado-Casas , "Quaternion Wavelet Transform: Theory and applications"
11:30 - 12:10	BR123	Analysis/W. Sproessig	[RT-T1B] P. Cerejeiras , " Q_p -Scales on Hyperbolic Projective Spaces"
	BR124	Geometry/P. Jorgensen	[RT-T2B] N. Anghel , "On Baer's Conformal Lower Bound for the Spectrum of Generalized Dirac Operators"
	BR126	Structures/S. N. Mankoc Borstnik	[RT-T3B] J. Freeman , "Special Operators on Clifford Algebras"
	BR127	Physics/D. Smith	[RT-T4B] M. Tanisli , "Quaternionic Gauge Transformations and the Energy Conservation Equation for Acoustics"
	BR104	Physics/J. M. Parra	[RT-T6B] P. Lounesto , "New Spinors Between the Weyl, Majorana and Dirac Spinors"
	BR306	Applications/C. Perwass	[RT-T5B] M. Felsberg, G. Sommer , "Phase Estimation in 2D Signals with the Structure Multivector"
12:10 - 1:15			Lunch 
1:15 - 2:15	BR119	Plenary	[PT-T3] T. Qian , " Paley-Wiener Theorem in the Clifford Algebra Setting " 
2:15 - 2:25			Break
2:25 - 3:25	BR119	Plenary	[PT-T4] A. J. Hahn , " The Clifford Algebra in the Theories of Algebras, Quadratic Forms, and Classical Groups "
3:25 - 4:00			Coffee Break  in Bruner 112
4:00 - 4:40	BR123	Analysis/B. Jefferies	[RT-T1C] S.-L. Eriksson-Bique , "Moebius Transformations and k -Hypermonogenic Functions"
	BR124	Geometry/U. Bruzzo	[RT-T2C] D. Hurley , M. Vanduyck, "Lie and Covariant Differentiation on Spinor Fields"
	BR126	Structures/B. Fauser	[RT-T3C] A. Brini , F. Regonati, A. Teolis, "The Method of Virtual Variables, Polarizations and Supersymmetry"
	BR127	Physics/D. Finkelstein	[RT-T4C] P. Budinich , "From Clifford and Division Algebras, with the Associated Pure Spinors, to the Physics of Fermions"
	BR104	Physics/P. Lounesto	[RT-T6C] A. Jadczyk , "Generalized Imprimitivity Systems, Quaternions and Monopoles"
	BR306	Applications/A. Lasenby	[RT-T5C] C. Perwass , "The CLU-Project"
4:40 - 5:20	BR123	Analysis/B. Jefferies	[RT-T1D] G. Kaiser , "Electromagnetic Wavelets from Hertz Potentials"
	BR124	Geometry/U. Bruzzo	[RT-T2D] P. Somberg , "Properties of Invariant Differential Operators on Spinor-like Modules Valued Form"
	BR126	Structures/B. Fauser	[RT-T3D] A. Brini, F. Regonati , A. Teolis, "The Method of Virtual Variables and Young-Capelli Symmetrizers"
	BR127	Physics/D. Finkelstein	[RT-T4D] G. Dixon , "Algebraic Spinor Reduction and the Standard Model"
	BR104	Physics/P. Lounesto	[RT-T6D] D. Dreisigmeyer , R. Clawson, R. E. Eykholt, P. M. Young, "Phase Formulas and the Beta Parameter in the Hestenes-Dirac Theory"
	BR306	Applications/A. Lasenby	[RT-T5D] C. Perwass , C. Gebken, G. Sommer, "Implementation of a Clifford Algebra Co-processor Design"
5:20 - 6:00	BR123	Analysis/B. Jefferies	[RT-T1E] A. El-Sayed , K. Guerlebeck, "Taylor Coefficients of Hyperholomorphic B^q Functions"
	BR124	Geometry/U. Bruzzo	[RT-T2E] L. Krump , "Hasse diagrams for parabolic geometries"
	BR126	Structures/B. Fauser	[RT-T3E] N. Degirmenci , S. Kocak, "Generalized Self-Duality of 2-Forms"
	BR127	Physics/D. Finkelstein	[RT-T4E] T. Dray , C. A. Manogue, "Using Octonions to Describe Fundamental Particles"
	BR104	Physics/P. Lounesto	[RT-T6E] V. V. Dvoeglazov , "Generalization of the Dirac Equation and the Bargmann-Wigner Formalism"
	BR306	Applications/A. Lasenby	[RT-T5E] R. Ablamowicz , B. Fauser, "Effective Algorithms for Evaluating Clifford Products"
6:00			Dinner 

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Last revised: May 14, 2002/ra


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MAY 20-25, 2002
Tennessee Technological University, Cookeville, Tennessee

[\[previous day\]](#)

Wednesday, May 22, 2002

[\[next day\]](#)

Legend: BR119 = Bruner Hall 119, etc.

Time	Room	Session/Chair	Code/Speaker/Title
8:15 - 8:30	BR119		Announcements
8:30 - 9:30	BR119	Plenary	[PT-W1] J. Helmstetter , " Lipschitz's Methods of 1886 Applied to Symplectic Clifford Algebras "
9:30 - 9:40			Break
9:40 - 10:40	BR119	Plenary	[PT-W2] D. Hestenes , " The Development of Geometric Algebra and Calculus -- A Personal Retrospective "
10:50 - 11:00			Break
11:00 - 11:40	BR123	Analysis/J. Ryan	[RT-W1A] M. Martin , " Clifford Analysis Techniques in Operator Theory "
	BR124	Geometry/S. L. Woronowicz	[RT-W2A] U. Bruzzo , " Fourier-Mukai Transform for Families of Lagrangian Tori "
	BR126	Structures/A. Micali	[RT-W3A] A. F. Agnew , " Biquaternionic Projective Spaces "
	BR127	Physics/S. Majid	[RT-W4A] J. Nester , " Spinor Formulations for Gravitational Energy-Momentum "
	BR104	Physics	[RT-W6A]
	BR306	Applications/J. Lasenby	[RT-W5A] L. Traversoni , " Describing Surfaces and Volumes via the Movement of a Carving Tool "
11:40 - 12:20	BR123	Analysis/J. Ryan	[RT-W1B] Y. Krasnov , " Isotopy in Algebras and Solution of Dirac Equation "
	BR124	Geometry/S. L. Woronowicz	[RT-W2B] J. M. Pozo , G. Sobczyk, " N-dimensional Conformal Spinors "
	BR126	Structures/A. Micali	[RT-W3B] P. Angles , " Spin Structures over n-Dimensional Skew-Hermitian H-spaces "
	BR127	Physics/S. Majid	[RT-W4B] J. Crawford , " The Charge Conjugation Matrix as a Metric on the Spinor Space "
	BR104	Physics	[RT-W6B]
	BR306	Applications/J. Lasenby	[RT-W5B] B. Rosenhahn , G. Sommer, " Pose Estimation of Cycloidal Curves by Using Twist Representations "
12:30			Group picture of all conference participants (place to be announced)
1:00 - 2:00			Lunch 
2:00			Trip to the Hermitage, the Home of Andrew Jackson, and to Nashville - Departure of the bus from the front of the Bruner Hall
3:00 - 4:30	BR119		Round Table Discussion (J. M. Parra, J. M. Pozo, G. Sobczyk)
4:30 - 5:00			Break
5:00 - 7:30			Picnic on University grounds in a park




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[[previous day](#)] **Thursday, May 23, 2002** [[next day](#)]
Legend: BR119 = Bruner Hall 119, etc.

Time	Room	Session/Chair	Code/Speaker/Title
8:15 - 8:30	BR119		Announcements
8:30 - 9:30	BR119	Plenary	[PT-R1] H. Krüger , " The Lepton as a Lightlike Point "
9:30 - 9:40			Break
9:40 - 10:40	BR119	Plenary	[PT-R2] A. Lasenby , " Applications of Geometric Algebra in Electromagnetism, Quantum Mechanics and Gravity "
10:40 - 10:50			Break
10:50 - 11:30	BR123	Analysis/T. Qian	[RT-R1A] A. Hommel , " On Discrete Cauchy-Riemann Operators in a Complex Functions Theory "
	BR124	Geometry/N. Anghel	[RT-R2A] C. Bartocci, M. Jardim , " A Nahm Transform for Instantons over ALE Spaces "
	BR126	Structures/Z. Oziewicz	[RT-R3A] A. Borowiec, W. Dudek, S. Duplij , " Basic Concepts of Ternary Hopf Algebras "
	BR127	Physics/G. Dixon	[RT-R4A] P. R. Girard , " Quaternions, Clifford Algebra and the General Theory of Relativity "
	BR104	Physics/D. Hestenes	[RT-R6A] W. E. Baylis , " The Quantum/Classical Interface: Insights from Clifford's Geometric Algebra "
	BR306	Applications/J. Koenderik	[RT-R5A] C. Ibanez , " Medical Imaging with Moving Surfaces "
11:30 - 12:10	BR123	Analysis/T. Qian	[RT-R1B]
	BR124	Geometry/N. Anghel	[RT-R2B] W. J. Ugalde , " Differential Forms Associated to Conformal Even-Dimensional Manifolds "
	BR126	Structures/Z. Oziewicz	[RT-R3B] L. Dabrowski , " Quantum Spin Coverings "
	BR127	Physics/G. Dixon	[RT-R4B] D. Rapoport , " Torsion Geometry and Brownian Motion of Multiforms "
	BR104	Physics/D. Hestenes	[RT-R6B] R. Parker, C. Doran, T. Havel , " Analysis of 1,2 and 3 Particle Quantum Systems using Geometric Algebra "
	BR306	Applications/J. Koenderink	[RT-R5B] J. Hornos, L. Braggion, M. Magini, M. Forger , " Symmetry Preservation in the Evolution of the Genetic Code "
12:10 - 1:15			Lunch 
1:15 - 2:15	BR119	Plenary	[PT-R3] S. Majid , " Electromagnetism and Gravity on Finite Noncommutative Spaces "
2:15 - 2:25			Break
2:25 - 3:25	BR119	Plenary	[PT-R4] S. L. Woronowicz , " Entropy uncertainty relations in quantum groups "
3:25 - 4:00			Coffee Break  in Bruner 112
4:00 - 4:40	BR123	Analysis/A. Hommel	[RT-R1C] G. Ren, Helmut R. Malonek , " Bergman Projection in Clifford Analysis "
	BR124	Geometry/S. Majid	[RT-R2C] Y. Homma , " Gradient Type Operators on Kaehler Manifolds "
	BR126	Structures/J. Helmstetter	[RT-R3C] D. Parashar , " Some Geometric Aspects of the Coloured Manin Plane "
	BR127	Physics/T. Havel	[RT-R4C] C. J. L. Doran, I. Hinder , " Scattering and Absorption of Fermions by a Schwarzschild Black Hole "
	BR104	Physics/J. Keller	[RT-R6C] C. Daviau , " Chiral Dirac Equations "
	BR306	Applications/G. Sommer	[RT-R5C] R. Ablamowicz, B. Fauser , " Exploring Clifford Algebras, Quaternions, and Octonions with CLIFFORD for MAPLE "
4:40 - 5:20	BR123	Analysis/A. Hommel	[RT-R1D] R. S. Krausshar , " Poincare Series in Clifford Analysis "
	BR124	Geometry/S. Majid	[RT-R2D] D. Hong , " Computing the Spectrum of the Rarita-Schwinger Operator "
	BR126	Structures/J. Helmstetter	[RT-R3D] O. Suzuki , " A Fractal Method for Infinite Dimensional Clifford Algebras "
	BR127	Physics/T. Havel	[RT-R4D] A. Caceres, C. J. L. Doran, A. N. Lasenby , " Variational Calculation of the Bound State Spectrum of an Electron in a Black Hole Background "
	BR104	Physics/J. Keller	[RT-R6D] I. Kanatchikov , " Space-Time Clifford Algebra in Precanonical Field Quantization "
	BR306	Applications/G. Sommer	[RT-R5D] R. Ablamowicz, B. Fauser , " Exploring Algebras and Cogebras Using BIGEBRA for MAPLE / CLIFFORD "
5:20 - 6:00	BR123	Analysis/A. Hommel	[RT-R1E] S. G. Gal , " Uniformly Starlike and Convex Functions of Hyperbolic and of Dual Complex Variables "
	BR124	Geometry/S. Majid	[RT-R2E] E. M. S. Hitzer , " Multivector Differential Calculus "
	BR126	Structures/J. Helmstetter	[RT-R3E] P. Angles , " Pseudo Unitary Conformal Groups. Clifford Algebras for Standard Pseudo Hermitian Spaces "
	BR127	Physics/T. Havel	[RT-R4E] A. Lasenby, E. Arcaute , " Wavefunctions and Twistors in Geometric Algebra "
	BR104	Physics/J. Keller	[RT-R6E]
	BR306	Applications/G. Sommer	[RT-R5E] H. Makaruk, Z. Oziewicz , " Symbolic Computations for Non-Standard Logic: Examples of Algebras which Fulfill Braid Morphisms but Not the Braid Equation "
6:00			Dinner 


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MAY 20-25, 2002
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[[previous day](#)] **Friday, May 24, 2002** [[next day](#)]
Legend: BR119 = Bruner Hall 119, etc.

Time	Room	Session/Chair	Code/Speaker/Title
8:15 - 8:30	BR119		Announcements
8:30 - 9:30	BR119	Plenary	[PT-F1] M. Mitrea , " Decomposition Theorems for General Dirac Operators on Nonsmooth Manifolds "
9:30 - 9:40			Break
9:40 - 10:40	BR119	Plenary	[PT-F2] V. Nistor , " Dirac Operators and Manifolds with a Uniform Structure at Infinity "
10:40 - 10:50			Break
10:50 - 11:30	BR123	Analysis/C. A. Berenstein	[RT-F1A] B. Jefferies , " <i>The Monogenic Calculus for Noncommuting Sectorial Operators</i> "
	BR124	Geometry/H. Baum	[RT-F2A] S. Vacaru , " <i>Noncommutative Finsler Geometry and Physics</i> "
	BR126	Structures/P. Angles	[RT-F3A] J. Helmstetter , " <i>The Group of Classes of Involutions of Graded Central Simple Algebras</i> "
	BR127	Physics/J. Crawford	[RT-F4A] G. Kaiser , " <i>Holomorphic Coulomb Field and Real Kerr-Newman Sources</i> "
	BR104	Physics/A. Lasenby	[RT-F6A] T. F. Havel , C. J. L. Doran, S. Furuta, R. Parker, " <i>Coordinate-Free Representations of Linear Transformations of Geometric Algebras and Some Applications thereof to Quantum Information Processing</i> "
	BR306	Structures	[RT-F5A] B. Schmeikal , " <i>Extension theory and Clifford algebra with transposition</i> "
11:30 - 12:10	BR123	Analysis/C.A. Berenstein	[RT-F1B] D. Rochon , " <i>A Bloch Constant for Hyperholomorphic Functions</i> "
	BR124	Geometry/H. Baum	[RT-F2B] S. Apikyan , " <i>Geometric Properties of W-Algebra and Toda Model</i> "
	BR126	Structures/P. Angles	[RT-F3B] J.M. Pozo, G. Sobczyk , " <i>Complex Matrix Representations of Clifford Algebras and the Relative Matrix Representation</i> "
	BR127	Physics/J. Crawford	[RT-F4B] S. Ramgoolam , " <i>D-branes and Fuzzy Spaces</i> "
	BR104	Physics/A. Lasenby	[RT-F6B] S. Furuta , C. Doran, T. Havel, " <i>Stern-Gerlach Measurement with SAW-Guided Electrons</i> "
	BR306	Structures	[RT-F5B]
12:10 - 1:15			Lunch 
1:15 - 2:15	BR119	Plenary	[PT-F3] Z. Oziewicz , UNAM, " Clifford Coalgebra "
2:15 - 2:25			Break
2:25 - 3:25	BR119	Plenary	[PT-F4] B. Fauser , " Grade Free Product Formulae from Graßmann Hopf Algebras " 
3:25 - 4:00			Coffee Break  in Bruner 112
4:00 - 4:40	BR123	Analysis	[RT-F1C] R. S. Saks , " <i>The Role of some Equations of Mathematical Physics and Boundary Value Problems in the Development of Elliptic Operator Theory</i> "
	BR124	Geometry/J. C. Varilly	[RT-F2C] C. Agut , " <i>QR-Submanifolds Cubic Immersed in the Quaterionic Space Form</i> "
	BR126	Structures	[RT-F3C] N. S. Mankoc Borstnik , H. B. Nielsen, " <i>How to Generate Spinor Representations in Any Dimension in Terms of Projection Operators</i> "
	BR127	Physics	[RT-F4C]
	BR104	Physics/C. J. L. Doran	[RT-F6C]
	BR306	Structures	[RT-F5C]
4:40 - 5:20	BR123	Analysis	[RT-F1D] L. Pernas , " <i>Hodge - Dirac Operators on Constant Curvature Manifolds</i> "
	BR124	Geometry/J. C. Varilly	[RT-F2D] V. V. Fernandez , A.M. Moya, W.A. Rodrigues, Jr., " <i>Covariant Derivatives of Multivector and Extensor Fields</i> "
	BR126	Structures	[RT-F3D] T. Santhanam , " <i>Clifford Algebra, Its Generalizations and Applications</i> "
	BR127	Physics	[RT-F4D]
	BR104	Physics	[RT-F6D]
	BR306	Structures	[RT-F5D]
5:20 - 6:00	BR123	Analysis	[RT-F1E]
	BR124	Geometry/J. C. Varilly	[RT-F2E]
	BR126	Structures	[RT-F3E]
	BR127	Physics	[RT-F4E]
	BR104	Physics	[RT-F6E]
	BR306	Structures	[RT-F5E]
7:00 - 8:30			Banquet  OVC Room in the University Center




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Last revised: May 17, 2002/ra

PROGRAM OF
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 MAY 20-25, 2002
 Tennessee Technological University, Cookeville, Tennessee

[previous day] **Saturday, May 25, 2002** [Program]
 Legend: BR119 = Bruner Hall 119, etc.

Time	Room	Session/Chair	Code/Speaker/Title
8:15 - 8:30	BR119		Announcements
8:30 - 9:30	BR119	Plenary	[PT-S1] J. J. Koenderink , " Geometry of Image Space "
9:30 - 9:40			Break
9:40 - 10:40	BR119	Plenary	[PT-S2] M. McCarthy , " Clifford Algebra Formulation of the Geometric Design of Robots "
10:40 - 10:50			Break
10:50 - 11:30	BR123	Analysis/H. Baum	[RT-S1A] S. Bernstein , " <i>Multidimensional Inverse Scattering for the Schroedinger Equation</i> "
	BR124	Geometry/J. Lawrynowicz	[RT-S2A] T. A. Bouma , " <i>When is a Multivector a Blade?</i> "
	BR126	Structures/A. Borowiec	[RT-S3A] V. V. Fernández, A. M. Moya , W.A. Rodrigues Jr., " <i>Multivector and Extensor Fields on Smooth Manifolds</i> "
	BR127	Physics/L. Dabrowski	[RT-S4A] R. Owczarek , " <i>Dirac Operator on Quantum Homogeneous Spaces and Noncommutative Geometry</i> "
	BR104	Physics/A. Jadczyk	[RT-S6A] J. M. Parra , J. M. Pozo, " <i>r-Fold Multivectors. I. Basic Structures and Algebraic Computations</i> "
	BR306	Applications/J. M. Selig	[RT-S5A] Y. Zhang , K. L. Ting, " <i>A Study on the Geometry and Displacement of Point-Line</i> " 
11:30 - 12:10	BR123	Analysis/H. Baum	[RT-S1B]
	BR124	Geometry/J. Lawrynowicz	[RT-S2B]
	BR126	Structures/A. Borowiec	[RT-S3B]
	BR127	Physics/L. Dabrowski	[RT-S4B] F. Bonechi , " <i>Noncommutative Geometry of Quantum Spheres</i> "
	BR104	Physics/A. Jadczyk	[RT-S6B] J. M. Pozo , J. M. Parra, " <i>r-Fold Multivectors. II. Physical Applications: Superenergy Tensors</i> "
	BR306	Applications/J. M. Selig	[RT-S5B]
12:10 - 1:15			Lunch 
1:15 - 1:45	BR119		Coffee Social  in Bruner 119
1:45 - 3:00			General meeting to select a place for the 7th Conference in 2005, and closing Individuals interested in organizing the 7th Conference, please submit a proposal via email to the Conference Organizers

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Last revised: May 17, 2002/ra