2005 SEMINARS GIVEN

0.1 By members in Benin

1. A. Anjorin,
   Seminar of Functional Analysis,
   1st Seminar Room of the International Chair in Mathematical Physics and Applications,
   University of Abomey-Calavi, January 3rd, 2005,
   Derived and Integrated Basic Sets of Polynomials in Several Complex Variables (I Part).

2. J. Ben Geloun,
   Seminar of Mathematical Physics,
   1st Seminar Room of the International Chair in Mathematical Physics and Applications,
   University of Abomey-Calavi, January 3rd, 2005,
   Canonical Quantization: a General Overview.

3. M. N. Hounkonnou,
   Seminar of Functional Analysis,
   1st Seminar Room of the International Chair in Mathematical Physics and Applications,
   University of Abomey-Calavi, January 5th, 2005,
   Semi-Classical Orthogonal Polynomials and Charlier Polynomials.

4. J. Ben Geloun,
   Seminar of Mathematical Physics,
   1st Seminar Room of the International Chair in Mathematical Physics and Applications,
   University of Abomey-Calavi, January 10th, 2005,
   Lagrangian Formulation of Dynamics and Noether Theorem in Classical Field Theory.

5. J. Ben Geloun,
   Seminar of Mathematical Physics,
   2nd Seminar Room of the International Chair in Mathematical Physics and Applications,
   University of Abomey-Calavi, January 12th, 2005,
   An Introduction to Quantum Field theory.

6. E. Tchibozo,
   Seminar of Mathematical Physics,
   2nd Seminar Room of the International Chair in Mathematical Physics and Applications,
   University of Abomey-Calavi, January 12th, 2005,
   Les Signaux Multidimensionnels a Caractere Géométrique et leur Utilisation pour la Photo-Interprétation des Images Satélitaires Multispectrales.

7. J. Ben Geloun,
   Seminar of Mathematical Physics,
   1st Seminar Room of the International Chair in Mathematical Physics and Applications,
   University of Abomey-Calavi, January 14th, 2005,
   Hamiltonian Constrained Dynamics and Quantization of Constrained Systems.

8. F. Massamba,
   Seminar of Differential Geometry,
   1st Seminar Room of the International Chair in Mathematical Physics and Applications,
   University of Abomey-Calavi, January 19th, 2005,
   The Higher Rank of Seiberg-Witten Equations.

9. A. Anjorin,
   Seminar of Functional Analysis,
   1st Seminar Room of the International Chair in Mathematical Physics and Applications,
   University of Abomey-Calavi, January 26th, 2005,
   Derived and Integrated Basic Set of Polynomials in Several Complex Variables (II Part).

10. J. Ben Geloun,
    Seminar of Mathematical Physics,
    1st Seminar Room of the International Chair in Mathematical Physics and Applications,
    University of Abomey-Calavi, February 12th, 2005,
    Klauder's Physical Projector of the Schwinger Model in a 1+1 Dimensional Spacetime: a Gauge Invariant Quantum Dynamics without Gauge Fixing.

11. F. Massamba,
    Seminar of Differential Geometry,
    1st Room of the International Chair in Mathematical Physics and Applications, University of Abomey-Calavi, February 16th, 2005,
    On Riemannian Geometry: the Geometric Elements of a Riemannian Metric.

12. J. Ben Geloun,
    Seminar of Mathematical Physics,
    1st Seminar Room of the International Chair in Mathematical Physics and Applications,
    University of Abomey-Calavi, February 26th, 2005,
    An Introduction to Noncommutative Field Theory.

13. J. Ben Geloun,
    Seminar of Mathematical Physics,
    1st Seminar Room of the International Chair in Mathematical Physics and Applications,
    University of Abomey-Calavi, March 3rd, 2005,
    On a Noncommutative Version of the Schwinger Model and Lorentz Invariance.

14. F. Massamba,
    Seminar of Differential Geometry,
    1st Seminar Room of the International Chair in Mathematical Physics and Applications,
    University of Abomey-Calavi, March 16th, 2005,
    Practical Determination of the Christoffel Symbols, Curvature Tensor, Ricci Tensor and Scalar Curvature of the Metrics.

15. A. Anjorin,
    Seminar of Functional Analysis,
    1st Seminar Room of the International Chair in Mathematical Physics and Applications,

University of Abomey-Calavi, March 25th, 2005,
Basic Set of Polynomials.

16. M. K. Mahaman,
Seminar of Partial Differential Equations (PDE),
1st Seminar Room of the International Chair in Mathematical Physics and Applications,
University of Abomey-Calavi, March 26th, 2005,
On Some Ansätzes Generating Exact Solutions of Nonlinear Evolution Equations: Application to Burger, Fisher and Murray Equations.

17. F. Massamba,
Seminar of Differential Geometry,
1st Seminar Room of the International Chair in Mathematical Physics and Applications,
University of Abomey-Calavi, April 2nd, 2005,
On Hodge Theory.

18. J. Ben Geloun,
Seminar of Mathematical Physics,
1st Seminar Room of the International Chair in Mathematical Physics and Applications,
University of Abomey-Calavi, April 6th, 2005,
The Noncommutative Version of the Schwinger Model in the Moyal Plane: the Issue of the Hamiltonian Formalism.

19. J. Ben Geloun,
Seminar of Differential Geometry,
1st Seminar Room of the International Chair in Mathematical Physics and Applications,
University of Abomey-Calavi, April 11th, 2005,
Isometries and Conformal Transformations, Killing Vector Fields and Conformal Killing Vector Fields.

20. A. Anjorin,
Seminar of Functional Analysis,
1st Seminar Room of the International Chair in Mathematical Physics and Applications,
University of Abomey-Calavi, April 14th, 2005,
Basic Series Associated with the Basic Set of Polynomials.

21. M. K. Mahaman,
Seminar of PDE,
1st Seminar Room of the International Chair in Mathematical Physics and Applications,
University of Abomey-Calavi, April 15th, 2005,
Construction of Exact Solutions of a Diffusion Equation Modeling Brain Cancer Treatment.

22. E. N. Nkouakam,
Seminar of Mathematical Physics,
2nd Seminar Room of the International Chair in Mathematical Physics and Applications,
University of Abomey-Calavi, April 20th, 2005,
Star Products and Deformation Quantizable Poisson Brackets.

23. J. Ben Geloun,
    Seminar of Mathematical Physics,
    2nd Seminar Room of the International Chair in Mathematical Physics and Applications,
    University of Abomey-Calavi, May 2nd, 2005,
    Basic Properties of the Symmetric Polynomials and Functions.

24. M. K. Mahaman,
    Seminar of PDE,
    1st Seminar Room of the International Chair in Mathematical Physics and Applications,
    University of Abomey-Calavi, May 4th, 2005,
    Symmetry Groups of Algebraic Equations: Generalities and Adaptation to the Differential Equations.

25. M. N. Hounkonnou,
    Seminar of Mathematical Physics,
    1st Seminar Room of the International Chair in Mathematical Physics and Applications,
    University of Abomey-Calavi, May 9th, 2005,
    On Non Commutative Geometry and Quantum Groups.

26. F. Massamba,
    Seminar of Mathematical Physics,
    2nd Seminar Room of the International Chair in Mathematical Physics and Applications,
    University of Abomey-Calavi, May 11th, 2005,
    Noncommutative Gauge Field Theory in the Light Cone Representation in 2D (Part I).

27. A. Anjorin,
    Seminar of Functional Analysis,
    1st Seminar Room of the International Chair in Mathematical Physics and Applications,
    University of Abomey-Calavi, May 15th, 2005,
    Effectiveness of Basic Set of Polynomials: their Regions of Effectiveness.

28. M. N. Hounkonnou,
    Seminar of Functional Analysis,
    1st Seminar Room of the International Chair in Mathematical Physics and Applications,
    University of Abomey-Calavi, May 15th, 2005,
    On Quasideterminants

29. F. Massamba,
    Seminar of Mathematical Physics,
    1st Seminar Room of the International Chair in Mathematical Physics and Applications,
    University of Abomey-Calavi, May 18th, 2005,
    Noncommutative Gauge Field Theory in the Light Cone Representation in 2D: Noether's Theorem and the Seiberg Witten Map (Part II).

30. E. N. Nkouakam,
    Seminar of Mathematical Physics,
    2nd Seminar Room of the International Chair in Mathematical Physics and Applications,

University of Abomey-Calavi, May 21st, 2005,
On the Gauge Equivalence of Star Product.

31. M. K. Mahaman,
    Seminar of PDE,
    1st Seminar Room of the International Chair in Mathematical Physics and Applications,
    University of Abomey-Calavi, May 28th, 2005,
    Application of the Lie Methods for the Reduction of Partial Differential Equations: Example of the Euler Equations.

32. M. K. Mahaman,
    Seminar of PDE,
    1st Seminar Room of the International Chair in Mathematical Physics and Applications,
    University of Abomey-Calavi, June 10th, 2005,
    Classical, Nonclassical and Potential Symmetries: Application to the Burger's Equation.

33. A. Anjorin,
    Seminar of Functional Analysis,
    2nd Seminar Room of the International Chair in Mathematical Physics and Applications,
    University of Abomey-Calavi, June 16th, 2005,
    On the Cannon Conditions.

34. M.N. Hounkonnou,
    Seminar of Functional Analysis,
    2nd Seminar Room of the International Chair in Mathematical Physics and Applications,
    University of Abomey-Calavi, June 16th, 2005,
    On Non Commutative Orthogonal Polynomials: General Properties and Construction

35. E. N. Nkouakam,
    Seminar of Mathematical Physics,
    2nd Seminar Room of the International Chair in Mathematical Physics and Applications,
    University of Abomey-Calavi, June 17th, 2005,
    Poisson Algebras of Formal Laurent Series.

36. F. Massamba,
    Seminar of Mathematical Physics,
    1st Seminar Room of the International Chair in Mathematical Physics and Applications,
    University of Abomey-Calavi, June 22nd, 2005,
    Noncommutative Gauge Field Theory in the Light Cone Representation in 2D: a Gauge Invariance Regularization Procedure for the Energy-Momentum Tensor (Part III).

37. M. K. Mahaman,
    Seminar of PDE,
    1st Seminar Room of the International Chair in Mathematical Physics and Applications,
    University of Abomey-Calavi, June 24th, 2005,
    Symmetry Groups and Conservation Laws: a Pratical Version of Noether's Theorem.

38. A. Anjorin,
    Seminar of Functional Analysis,
    1st Seminar Room of the International Chair in Mathematical Physics and Applications,
    University of Abomey-Calavi, June 27th, 2005,
    On the Improved Whittaker's Constant.

39. M. N. Hounkonnou,
    Seminar of Functional Analysis,
    1st Seminar Room of the International Chair in Mathematical Physics and Applications,
    University of Abomey-Calavi, July 20th, 2005,
    Noncommutative Orthogonal Polynomials.

40. E. N. Nkouakam,
    Seminar of Mathematical Physics,
    2nd Seminar Room of the International Chair in Mathematical Physics and Applications,
    University of Abomey-Calavi, August 10th, 2005,
    The Weyl-Moyal-like Deformation of Poisson Algebras of Formal Laurent Series.

41. A. Anjorin,
    Seminar of Functional Analysis,
    1st Seminar Room of the International Chair in Mathematical Physics and Applications,
    University of Abomey-Calavi, August 16th, 2005,
    Effectiveness of Basic Set of Polynomials: Topological Aspects.

0.1.1 By the members in Africa

1. L. Bla Toh,
   Seminar of Computer Science,
   1st Seminar Room of the International Chair in Mathematical Physics and Applications,
   University of Abomey-Calavi, October 22th - October 31th, 2005,
   Security in Using Micro-Computer, Advanced Manipulation in Word Processing and Data Shift.

0.1.2 By the members outside Africa

1. J. Govaerts,
   Seminar of Mathematical Physics,
   First International COPROMAPH School, University of Abomey-Calavi, October 31st-November 4th, 2005,
   Quantum Mechanics and Fields for Physicists and Mathematicians, Strings before the 1995 Revolution.

2. J. Govaerts,
   Grand Public Conference in the Framework of the World Year of Physics,
   Institut de Sciences Bio-Médicales Appliquées (ISBA), Cotonou, November 2nd, 2005,
   Einstein, Architecte de l'Univers: Cent Années de Physique pour le XXI^{ieme} Siecle .

3. S. T. Ali,
   Seminar of Mathematical Physics,
   Institut de Mathématique et de Sciences Physiques, University of Abomey-Calavi, November 14th- November 18th, 2005,
   Lectures on Techniques of Quantization.