

**C.I.M.E. Session on "Integrable Systems and Quantum Groups"**

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## LIST OF C.I.M.E. SEMINARS

Publisher

1954 -	1. Analisi funzionale	C.I.M.E.
	2. Quadratura delle superficie e questioni connesse	"
	3. Equazioni differenziali non lineari	"
1955 -	4. Teorema di Riemann-Roch e questioni connesse	"
	5. Teoria dei numeri	"
	6. Topologia	"
	7. Teorie non linearizzate in elasticità, idrodinamica, aerodinamica	"
	8. Geometria proiettivo-differenziale	"
1956 -	9. Equazioni alle derivate parziali a caratteristiche reali	"
	10. Propagazione delle onde elettromagnetiche	"
	11. Teoria della funzioni di più variabili complesse e delle funzioni automorfe	"
1957 -	12. Geometria aritmetica e algebrica (2 vol.)	"
	13. Integrali singolari e questioni connesse	"
	14. Teoria della turbolenza (2 vol.)	"
1958 -	15. Vedute e problemi attuali in relatività generale	"
	16. Problemi di geometria differenziale in grande	"
	17. Il principio di minimo e le sue applicazioni alle equazioni funzionali	"
1959 -	18. Induzione e statistica	"
	19. Teoria algebrica dei meccanismi automatici (2 vol.)	"
	20. Gruppi, anelli di Lie e teoria della coomologia	"
1960 -	21. Sistemi dinamici e teoremi ergodici	"
	22. Forme differenziali e loro integrali	"
1961 -	23. Geometria del calcolo delle variazioni (2 vol.)	"
	24. Teoria delle distribuzioni	"
	25. Onde superficiali	"
1962 -	26. Topologia differenziale	"
	27. Autovalori e autosoluzioni	"
	28. Magnetofluidodinamica	"

- 1963 - 29. Equazioni differenziali astratte "
   
30. Funzioni e varietà complesse "
   
31. Proprietà di media e teoremi di confronto in Fisica Matematica "
- 1964 - 32. Relatività generale "
   
33. Dinamica dei gas rarefatti "
   
34. Alcune questioni di analisi numerica "
   
35. Equazioni differenziali non lineari "
- 1965 - 36. Non-linear continuum theories "
   
37. Some aspects of ring theory "
   
38. Mathematical optimization in economics "
- 1966 - 39. Calculus of variations Ed. Cremonese, Firenze "
   
40. Economia matematica "
   
41. Classi caratteristiche e questioni connesse "
   
42. Some aspects of diffusion theory "
- 1967 - 43. Modern questions of celestial mechanics "
   
44. Numerical analysis of partial differential equations "
   
45. Geometry of homogeneous bounded domains "
- 1968 - 46. Controllability and observability "
   
47. Pseudo-differential operators "
   
48. Aspects of mathematical logic "
- 1969 - 49. Potential theory "
   
50. Non-linear continuum theories in mechanics and physics
   
and their applications "
   
51. Questions of algebraic varieties "
- 1970 - 52. Relativistic fluid dynamics "
   
53. Theory of group representations and Fourier analysis "
   
54. Functional equations and inequalities "
   
55. Problems in non-linear analysis "
- 1971 - 56. Stereodynamics "
   
57. Constructive aspects of functional analysis (2 vol.) "
   
58. Categories and commutative algebra "

1972 - 59. Non-linear mechanics		"
60. Finite geometric structures and their applications		"
61. Geometric measure theory and minimal surfaces		"
1973 - 62. Complex analysis		"
63. New variational techniques in mathematical physics		"
64. Spectral analysis		"
1974 - 65. Stability problems		"
66. Singularities of analytic spaces		"
67. Eigenvalues of non linear problems		"
1975 - 68. Theoretical computer sciences		"
69. Model theory and applications		"
70. Differential operators and manifolds		"
1976 - 71. Statistical Mechanics	Ed Liguori, Napoli	"
72. Hyperbolicity		"
73. Differential topology		"
1977 - 74. Materials with memory		"
75. Pseudodifferential operators with applications		"
76. Algebraic surfaces		"
1978 - 77. Stochastic differential equations		"
78. Dynamical systems	Ed Liguori, Napoli and Birhäuser Verlag	"
1979 - 79. Recursion theory and computational complexity		"
80. Mathematics of biology		"
1980 - 81. Wave propagation		"
82. Harmonic analysis and group representations		"
83. Matroid theory and its applications		"
1981 - 84. Kinetic Theories and the Boltzmann Equation	(LNM 1048) Springer-Verlag	"
85. Algebraic Threefolds	(LNM 947)	"
86. Nonlinear Filtering and Stochastic Control	(LNM 972)	"
1982 - 87. Invariant Theory	(LNM 996)	"
88. Thermodynamics and Constitutive Equations	(LN Physics 228)	"
89. Fluid Dynamics	(LNM 1047)	"

1983 - 90. Complete Intersections	(LNM 1092)	Springer-Verlag	
91. Bifurcation Theory and Applications	(LNM 1057)		"
92. Numerical Methods in Fluid Dynamics	(LNM 1127)		"
1984 - 93. Harmonic Mappings and Minimal Immersions	(LNM 1161)		"
94. Schrödinger Operators	(LNM 1159)		"
95. Buildings and the Geometry of Diagrams	(LNM 1181)		"
1985 - 96. Probability and Analysis	(LNM 1206)		"
97. Some Problems in Nonlinear Diffusion	(LNM 1224)		"
98. Theory of Moduli	(LNM 1337)		"
1986 - 99. Inverse Problems	(LNM 1225)		"
100. Mathematical Economics	(LNM 1330)		"
101. Combinatorial Optimization	(LNM 1403)		"
1987 - 102. Relativistic Fluid Dynamics	(LNM 1385)		"
103. Topics in Calculus of Variations	(LNM 1365)		"
1988 - 104. Logic and Computer Science	(LNM 1429)		"
105. Global Geometry and Mathematical Physics	(LNM 1451)		"
1989 - 106. Methods of nonconvex analysis	(LNM 1446)		"
107. Microlocal Analysis and Applications	(LNM 1495)		"
1990 - 108. Geometric Topology: Recent Developments	(LNM 1504)		"
109. H <sup>∞</sup> Control Theory	(LNM 1496)		"
110. Mathematical Modelling of Industrial Processes	(LNM 1521)		"
1991 - 111. Topological Methods for Ordinary Differential Equations	(LNM 1537)		"
112. Arithmetic Algebraic Geometry	(LNM 1553)		"
113. Transition to Chaos in Classical and Quantum Mechanics	(LNM 1589)		"
1992 - 114. Dirichlet Forms	(LNM 1563)		"
115. D-Modules, Representation Theory, and Quantum Groups	(LNM 1565)		"
116. Nonequilibrium Problems in Many-Particle Systems	(LNM 1551)		"

1993 -	117. Integrable Systems and Quantum Groups	(LNM 1620)	Springer-Verlag	
	118. Algebraic Cycles and Hodge Theory	(LNM 1594)		
	119. Phase Transitions and Hysteresis	(LNM 1584)		"
1994 -	120. Recent Mathematical Methods in Nonlinear Wave Propagation		to appear	"
	121. Dynamical Systems	(LNM 1609)		"
	122. Transcendental Methods in Algebraic Geometry		to appear	"
1995 -	123. Probabilistic Models for Nonlinear PDE's and Numerical Applications		to appear	"
	124. Viscosity Solutions and Applications		to appear	"
	125. Vector Bundles on Curves. New Directions		to appear	"