Appendix A: Program of the scientific conference

Quantization, deformations, and symmetries

Université de Bourgogne, Dijon, September 6 – 8 1999

Monday September 6

9:15 – 9:30 Opening of the special session and of the scientific conference by Arthur Jaffe and Daniel Sternheimer

9:30 – 14:00 Get together session with informal discussions and organization of seminars and poster sessions; lunch

14:30 – 15:25 Yakir Aharonov (U. South Carolina and Tel-Aviv)
A new approach to quantum mechanics
Chair: Paul Sally (Chicago)

15:40 – 16:35 Elliott Lieb (Princeton)
Stability of matter and the self-energy of an electron in non-perturbative quantum electrodynamics
Chair: Marcel Guenin (Geneva)

– Coffee break –

17:15 – 18:10 Sergio Ferrara (CERN and UCLA)
Superconformal field theories, multiplet shortening, and the $AdS_5/SCFT_4$ correspondence
Chair: Robert Finkelstein (UCLA)

18:25 – 19:20 Christian Frønsdal (UCLA)
Singletons and neutrinos
Chair: Piotr Rączka (Warsaw)

Tuesday September 7

9:15 – 10:10 Leon Takhtajan (SUNYSB)
Quantum field theories on an algebraic curve
Chair: J.-P. Labesse (Director of CIRM)

– Coffee break –

10:35 – 11:30 Maxim Kontsevich (IHES)
Geometry of the moduli space of non-commutative algebras
Chair: Hideki Omori (Science University of Tokyo)

11:45 – 12:40 Alain Connes (Collège de France)
Cyclic cohomology and Hopf algebras
Chair: Murray Gerstenhaber (U. Pennsylvania)

13:00 – 15:00 *Lunch and seminars by T. Kimura (Boston), M. Bordemann and S. Waldmann (Freiburg)*

15:00 – 15:55 Simone Gutt (ULB and Metz)
Variations on deformation quantization
Chair: Alan Weinstein (Berkeley)

16:10 – 17:05 Boris Fedosov (Moscow and Potsdam)
On G-trace and G-index in deformation quantization
Chair: Ryszard Nest (Copenhagen)

– Coffee break –

17:45 – 18:40 Louis Boutet de Monvel (Paris 6)
Real and complex star products
Chair: Yvette Kosmann-Schwarzbach (École polytechnique)

18:50 – 20:00 *Seminars by A. Karabegov (Erevan), A. Asada (Shinshu), and R. Léandre (Nancy); poster sessions*

Wednesday September 8

9:15 – 10:10 Jacques C. H. Simon (U. Bourgogne)
Nonlinear relativistic evolution equations: Survey of a new approach
Chair: Ivan Todorov (Sofia)

– Coffee break –

10:35 – 11:30 Bertram Kostant (MIT)
A cubic Dirac operator and a generalization of the Bott-Borel-Weil theorem
Chair: Nicolai Reshetikhin (Berkeley)

11:45 – 12:40 Wilfried Schmid (Harvard)
L-functions attached to Maass modular forms
Chair: Gérard Schiffmann (Strasbourg)

13:00 – 15:00 *Lunch and seminars by P. Rączka (Warsaw), J. Niederle (Prague), and M. Kontsevich (IHES)*

15:00 – 15:55 Jürg Fröhlich (ETHZ)
Classical limits of Bose systems
Chair: Jiri Niederle (Prague)

16:10 – 17:05 Ludwig Faddeev (St. Petersburg and Helsinki)
The modular double of a quantum group
Chair: Yuri Novozhilov (St. Petersburg)

17:30 – 19:00 Closure by Gilles Bertrand, vice president for research and former president of the University, and cocktail