1 Program

August 23:

- 8.50-9.00 Welcome remarks
- 9.00-9.40: V.L. Girko (Campinas)
  The V-relation between Hermitian and non Hermitian operators and some problems of neural nets and the theory of stochastic S-matrices.
- 9.40-10.20 H.-J. Sommers (Essen)
  Density of S-matrix poles in quantum chaotic scattering
- **Coffee break**
- 10.40-11.20 Y. Alhassid (Yale)
  Strength Functions in Open Chaotic Systems: Application to Photodissociation
- 11.20-12.00 V.Mandelshtam (Irvine)
  Spectral Analysis of Time Correlation Functions by the Filter Diagonalization Method
- 12.00-12.40 V. V. Sokolov(Novosibirsk)
  A Simple Mode on a Background of Unstable chaotic states with dense spectrum
- **12.40-15.00 Lunch**
- 15.40-16.20 I.Rotter(Dresden)
  Avoided crossing of levels and resonances in quantum systems
- 16.20-17.00 J.Burgdoerfer (Vienna)
  Irregular Scattering at Atoms and Designer Atoms
- 17.30-18.30 **Poster session**

August 24

- 9.00-9.40 B.Khoruzhenko (London)
  "From Wigner-Dyson to Ginibre eigenvalue statistics "
- 9.40-10.20 Yan Fyodorov (Essen)
  Systematic approach to statistics of chaotic resonances
- **Coffee break**
- 10.40-11.20 N.Hatano (Tokyo)
  Imaginary vector potential and its physical applications
- 11.20-12.00. I. Y. Goldsheid (London)
  The asymptotic behaviour of the spectrum and of eigenfunctions of the Anderson-Hatano-Nelson model
- 12.00-12.40 K.B.Efetov (Bochum)
  to be announced
- **12.40-15.00 Lunch**
- 15.00-15.40 M.V.Feigel'man (Landau Inst.) "Strongly interacting 2D Bose-luquid and Non-Hermitean Matrix Dynamics"
- 15.40-16.20 O.Zaboronsky(Warwick)
  On the Structure of Correlation Functions in the Normal Matrix Model
- 16.20-17.00 D.Braun (Essen)
  Periodic Orbit Theory in Dissipative Quantum Chaos
- 17.30-18.30 **Poster session**

August 25

- 9.00-9.40 P.Forrester (Melbourn)
  to be announced
- 9.40-10.20 M.Kus (Warsaw)
  Level Dynamics of Complex Matrices
- **Cofee break**
- 10.40-11.20 I.Barbour(Glasgow)
  to be announced
- 11.20-12.00 J.Verbaarschot(SUNY)
  Random Matrix Theory and Chiral Symmetry
- 12.00-12.40 M.Stephanov(SUNY)
  Random Matrices and the Phase Diagram of QCD
- **12.40-15.00 LUNCH**
- 15.00-15.40. T.Wettig (TU Munich) Lattice QCD at finite chemical potential and random matrix predictions
- 15.40-16.20 G.Akemann (MPI Heidelberg)
  Universality in Chiral Hermitian and Chiral Complex Matrix Models
- 16.20-17.00 A.Zee(UCSB)
  to be announced
- 17.30-18.30 **Poster session**

August 26

- 9.00-9.40 L.N.Trefethen (Oxford)
  "Spectra, pseudospectra, and dynamics."
- 9.40-10.20 J.Chalker (Oxford)
  Eigenvector statistics in non-Hermitian random matrix ensembles
- **Coffee break**
- 10.40-11.20 M.R. Zirnbauer (Cologne)
  Disorder, Symmetries and Nonlinear Sigma Models
- 11.20-12.00 A.Altland (Bochum)
  Quantum Sublattice Systems
- 12.00-12.40 B.Simons(Cambridge)
  Field Theory of Non-Hermitian Operators
- 12.40-13.00 Concluding remarks **LUNCH, DEPARTURE**