Programme

May 12 Monday

Morning session

11.00 – 11.10 Opening

11.10 – 11.45 *The spatially homogeneous Boltzmann equation in various functional spaces*, A. Bobylev (Karlstad)

11.50 – 12.25 *Kinetic consistent equations of magnetogasodynamics and their implementation for supercomputers*, B. Chetverushkin (Moscow)

12.30 – 14.00 LUNCH

Afternoon session

14.00 – 14.35 *Hydrodynamic limit of some P and NP combinatorial optimization problems*, Y. Brenier (Paris)

14.35 – 15.05 Coffee break

15.05 – 15.40 *On spectral analysis of semigroups in a Banach space and applications*, S. Mischler (Paris)

18.00 – 21.00 BOAT EXCURSION on Vänern
May 13 Tuesday

Room: 21E 205

Morning session

09.30 – 10.05  *Rigorous derivation of the Fick's law in a low density regime*,
M. Pulvirenti (Rome)

10.10 – 10.45  *Some new estimates for the Vlasov-Poisson equation*,
L. Desvillettes (Paris)

10.45 – 11.10  Coffee break

11.10 – 11.45  *A derivation of models for aerosols*, F. Golse (Paris)

11.50 – 12.25  *On a Vlasov-Poisson plasma with infinite charge*, S. Caprino (Rome)

12.30 – 13.30  LUNCH

Afternoon session

13.30 – 14.05  *A hierarchy of hybrid numerical methods for multi-scale kinetic equations*, F. Filbet (Lyon)

14.10 – 14.45  *On geometric calculus and finite elements for Vlasov-Maxwell system*, M. Asadzadeh, (Göteborg)

14.45 – 15.10  Coffee break

15.10 – 15.45  *High order semi-implicit schemes for evolutionary nonlinear partial differential equations with applications to nonlinear diffusion relaxation problems and to kinetic equations*, G. Russo (Catania)

15.50 – 16.25  *Galerkin-Petrov approach for the Boltzmann equation*,
S. Rjasanow (Saarbrücken)

19.00 – 23.00  CONFERENCE DINNER at Barbros brygga
May 14 Wednesday  
Room: 21E 205

Morning session

09.30 – 10.05  *Decay of a linear pendulum in a collisional gas: Spatially one-dimensional case*, K. Aoki (Kyoto)

10.10 – 10.45  *Bose condensates in interaction with excitations - a two-component space-dependent model close to equilibrium*, A. Nouri (Marseille)

10.45 – 11.10  Coffee break

11.10 – 11.45  *On the anyon Boltzmann equation*, L. Arkeryd (Göteborg)

11.50 – 12.25  *Numerical modeling of the electron heating for the nonlinear collision kinetic equation with a quasilinear diffusion operator*, I. Potapenko (Moscow)

12.30 – 13.30  LUNCH

Afternoon session

13.30 – 14.05  *On summability of moments and their applications*, I. Gamba (Austin, Texas)

14.05 – 14.15  Closening