Preliminary Program of the 10th Euro-Maghrebian Workshop on Evolution Equations

26 – 30 September, 2016
Blaubeuren, Germany
Monday, 26 September

07:30 – 09:00 Breakfast
09:00 – 09:10 Opening
09:10 – 09:55 THIERRY CAZENAVE (Paris)
        Finite-time blowup in nonlinear heat, Schrödinger, and Ginzburg-Landau equations, Part 1
10:00 – 10:45 ABDELHADI ES-SARHIR (Agadir)
        Invariant measures for semilinear stochastic PDEs
10:50 – 11:30 Coffee Break
11:30 – 12:15 OTARED KAVIAN (Versailles)
        On the Fokker-Planck equation with subcritical confinement force
12:30 – 14:00 Lunch
15:00 – 15:20 IMEN METOUI (Tunis)
        Generalized Ornstein-Uhlenbeck operators perturbed by singular potential in $L^p$-spaces
15:25 – 15:45 SAMIR EL MOURCHID (Agadir)
        On mixing properties of chaotic semigroups on $L^p$-spaces
15:50 – 16:10 BJÖRN AUGNER (Wuppertal)
        Dynamic boundary feedback stabilisation of a class of first-order hyperbolic partial differential equations
16:15 – 16:45 Coffee Break
16:45 – 17:05 SOUMAYA BELHAJ ALI MOUROU (Tunis)
        Dirichlet parabolic problems with unbounded diffusion coefficients perturbed by inverse square potentials in unbounded domains
17:10 – 17:30 FEDERICA GREGORIO (Salerno)
        Fourth-order Schrödinger type operator with singular potentials
17:35 – 17:55 HSSAINE OUMMI (Beni Mellal)
        On a nonlinear coupled radiative-conductive heat transfer system
18:30 – 19:30 Dinner
Tuesday, 28 September

07:30 – 09:00  Breakfast

09:00 – 09:45  MOURAD CHOULLI (Metz)
  Elliptic and parabolic Cauchy problems, Part 1

09:50 – 10:35  SIMONA FORNARO (Pavia)
  Analytic semigroups generated by second order degenerate elliptic operators

10:40 – 11:25  Coffee Break

11:25 – 12:10  YACINE CHITOUR (Paris)
  Controllability results of linear difference equations

12:30 – 14:00  Lunch

15:00 – 15:45  THIERRY CAZENAVE (Paris)
  Finite-time blowup in nonlinear heat, Schrödinger, and Ginzburg-Landau equations, Part 2

15:50 – 16:10  ROBERT HALLER-DINTELMANN (Darmstadt)
  Sobolev extension operators for functions with partially vanishing trace

16:15 – 16:45  Coffee Break

16:45 – 17:05  MOUINIR BALTI (Tunis)
  Asymptotic behavior for second-order differential equations with nonlinear slowly time-decaying damping and integrable source

17:10 – 17:30  REINHARD STAHN (Dresden)
  Optimal energy decay in a 1D viscoelastic boundary damping model for the wave equation

17:35 – 17:55  HAMID OUAISSA (Béni-Mellal)
  On the study of a data completion Cauchy problem

18:30 – 19:30  Dinner
Wednesday, 28 September

07:30 – 09:00 Breakfast

09:00 – 09:45 Thierry Cazenave (Paris)
Finite-time blowup in nonlinear heat, Schrödinger, and Ginzburg-Landau equations, Part 3

09:50 – 10:35 Rico Zacher (Ulm)
Li-Yau and Harnack inequalities on graphs

10:40 – 11:25 Coffee Break

11:25 – 12:10 Jürgen Saal (Düsseldorf)
Systematizing the maximal regularity approach to quasilinear mixed order systems, Part 1

12:30 – 14:00 Lunch

15:00 – 15:45 Mourad Choulli (Metz)
Elliptic and parabolic Cauchy problems, Part 2

15:50 – 16:10 Rosa Maria Mininni (Bari)
Degenerate evolution equations in mathematical finance

16:15 – 16:45 Coffee Break

16:45 – 17:05 Amru Hussein (Darmstadt)
Strong $L^p$ Well-Posedness of the 3D Primitive Equations

17:10 – 17:30 Sami Mourou (Tunis)
Unbounded and degenerate multiplicative perturbations of elliptic operators on unbounded domains

17:35 – 17:55 Abdallah Maichine (Salerno)
$L^p$-theory for Schrödinger systems

18:00 – 18:20 Davide Addona (Parma)
Hypercontractivity, supercontractivity, ultraboundedness and stability for a class of nonlinear evolution operators

18:30 – 19:30 Conference Dinner
Thursday, 29 September

07:30 – 09:00 Breakfast

09:00 – 09:45 **Mourad Bellassoued** (Tunis)
Stable determination of coefficients in the dynamical Schrödinger equation in a magnetic field

09:50 – 10:35 **Peer Kunstmann** (Karlsruhe)
Asymptotic stability for semilinear equations via Thompson’s metric

10:40 – 11:25 Coffee Break

11:25 – 12:10 **Mourad Choulli** (Metz)
Elliptic and parabolic Cauchy problems, Part 3

12:30 – 14:00 Lunch

15:00 – 15:45 **Jürgen Saal** (Düsseldorf)
Systematizing the maximal regularity approach to quasilinear mixed order systems, Part 2

15:50 – 16:10 **Ahmed Sani** (Agadir)
Invariance of convex sets in Hilbert spaces

16:15 – 16:45 Coffee Break

16:45 – 17:05 **Laura Westermann** (Düsseldorf)
Optimal sobolev regularity for Laplace and Stokes operator on wedge type domains subject to Navier slip boundary conditions

17:10 – 17:30 **Nick Lindemulder** (Delft)
Randomized Difference Norms for Vector-valued Bessel Potential Spaces

17:35 – 17:55 **Tatsu-Hiko Miura** (Tokyo)
Zero width limit of the heat equation on moving thin domains

18:00 – 18:20 **Anton Seyfert** (Darmstadt)
Periodic solutions to non-autonomous evolution equations in interpolation spaces

18:30 – 19:30 Dinner
Friday, 30 September

07:30 – 09:00 Breakfast

09:00 – 09:45 JÜRGEN SAAL (Düsseldorf)
Systematizing the maximal regularity approach to quasilinear mixed order systems, Part 3

09:50 – 10:35 SYLVIE MONNIAUX (Marseille)
The Dirichlet-to-Neumann problem associated with the Stokes operator

10:40 – 11:25 Coffee Break

11:25 – 12:10 RALPH CHILL (Dresden)
The Kurdyka-Lojasiewicz-Simon inequality and stabilisation in nonsmooth infinite-dimensional gradient systems

12:30 – 14:00 Lunch