

DFG-AIMS Workshop

Global Differential Geometry

M'bour, Sénégal, May 21 – 25, 2018

Monday

09:00 – 09:30	Registration	
09:30 – 09:45	Welcome	
09:45 – 10:45	Claudio Arezzo (Trieste, Italy)	<i>CMC foliations and apparent horizons in Cauchy data for Einstein equations</i>
10:45 – 11:30	Coffee break	
11:30 – 12:30	Sylvie Paycha (Potsdam, Germany)	<i>Locality in geometry and quantum field theory: where differential and pseudodifferential operators come into play</i>
13:00	Lunch	
14:30 – 15:30	Joel Tossa (Abomey-Calavi, Benin)	<i>Analyse sur la représentation minimale de (p, q)</i>
15:30 – 16:30	Coffee break	
16:30 – 17:30	Hassimiou Diallo (Cocody University, Côte d'Ivoire)	<i>Résolution de l'équation cohomologique d'un C^2-automorphisme "singulier"</i>
17:30 – 18:30	Discussion	

Tuesday

09:30 – 10:00	Information on DFG cooperations	
10:00 – 11:00	Cheikh Mbacke Diop (Université Cheikh Anta Diop de Dakar, Sénégal)	<i>Résidus de feuilletages holomorphes tirés en arrière</i>
11:00 – 11:30	Coffee break	
11:30 – 12:30	Philippe Rukimbira (Florida International University Miami, USA)	<i>The angle function in contact geometry</i>
13:00	Lunch	
14:30 – 15:30	Karl-Hermann Neeb (Erlangen-Nürnberg, Germany)	<i>On the geometry of the space of standard subspaces of a Hilbert space</i>
15:30 – 16:30	Coffee break	
16:30 – 17:30	Thomas Schick (Göttingen, Germany)	<i>The topology of scalar curvature</i>

Wednesday

09:30 – 10:30	Djideme Houenou (Abomey-Calavi, Benin)	<i>Deformation retract of symplectomorphism group of $\mathbb{C}P^1 \times \mathbb{C}P^1$ by the mean curvature flow</i>
10:30 – 11:30	Coffee break	
11:30 – 12:30	Sebastian Goette (Freiburg, Germany)	<i>G_2-manifolds</i>
13:00	Lunch	
14:30 –	Excursion	

Thursday

09:30 – 10:30	Augustin Banyaga (Penn State, USA)	<i>On symplectic and hamiltonian rigidity</i>
10:30 – 11:30	Coffee break	
11:30 – 12:30	Kai Cieliebak (Augsburg, Germany)	<i>Partial orders on contactomorphism groups and their Lie algebras</i>
13:00	Lunch	
14:30 – 15:30	Discussion	
15:30 – 16:30	Coffee break	
16:30 – 17:30	Urs Frauenfelder (Augsburg, Germany)	<i>What might a hamiltonian delay equation be?</i>
17:30 – 18:30	Augustin Batubenge (Université de Montréal, Canada)	<i>The Marsden-Weinstein reduction on a symplectic locally Euclidean pre-Frölicher space</i>

Friday

09:30 – 10:30	Anda Degeratu (Stuttgart, Germany)	<i>Geometry from Physics: The mass of an isolated gravitational system</i>
10:30 – 11:00	Coffee break	
11:00 – 12:00	Abdoul Diallo (Université Alioune Diop de Bambey, Sénégal)	<i>Affine Szabó manifolds</i>
12:00 – 13:00	Burkhard Wilking (Münster, Germany)	<i>Torus actions on positively curved manifolds</i>
13:00	Lunch	