

At the confluence of Analysis, Geometry and Modern Mathematical Physics

Beirut, February 15-17, 2018

Program

Thursday, February 15

8:30-9:00 Opening Ceremony

9:00-9:30 Thomas Hesse (Alexander von Humboldt Foundation, Germany)

Presentation of the Humboldt Foundation's fellowship programs

9:30-10:00 Coffee break

10:00-11:00 Isabelle Chalendar (University of Paris-Est, France)

Discrete and continuous semigroups of composition operators on various spaces of analytic functions

11:00-12:00 Barbara Nelli (University of L'Aquila, Italy)

The shape of soap films and bubbles

12:00-14:00 Lunch break

14:00-15:00 Nicolas Raymond (University of Rennes, France)

Magnetic WKB constructions

15:00-16:00 Olaf Müller (Humboldt University of Berlin, Germany)

New conformal methods in geometry and analysis

16:00-16:30 Coffee break

16:30-17:30 Paolo Aschieri (University of Piemonte Orientale, Italy)

Noncommutative differential geometry

17:30-18:30 Ayman Kachmar (Lebanese University, Lebanon)

New estimates of the Ginzburg-Landau order parameter

Friday, February 16

8:30-9:30 **Pascal Lefèvre (University of Artois, France)**

Volterra and Cesàro mean operators on L^p spaces

9:30-10:30 **Uwe Semmelmann (University of Stuttgart, Germany)**

Killing tensors on Riemannian manifolds

10:30-11:00 **Coffee break**

11:00-12:00 **Isabelle Chalendar, Fida El Chami, Rachel Hobeika, Barbara Nelli, Sylvie Paycha**

Special Session: Women in Mathematics

12:00-14:00 **Lunch break**

14:00-15:00 **David Lannes (University of Bordeaux, France)**

On the dynamics of floating structures

15:00-16:00 **Semyon Klevtsov (University of Köln, Germany)**

Geometry and large N asymptotics in Quantum Hall states

16:00-16:30 **Coffee break**

16:30-17:30 **Farid Madani (University of Frankfurt, Germany)**

Locally conformal Kähler geometry and conformal Kähler metrics

17:30-18:30 **Roger Nakad (Notre Dame University, Lebanon)**

Twisted spin structures and CR structures

Saturday, February 17

8:30-9:30 **Theodoros Vlachos (University of Ioannina, Greece)**
Isometric immersions and relative nullity

9:30-10:30 **Ines Kath (University of Greifswald, Germany)**
Compact quotients of Cahen-Wallach spaces

10:30-11:00 **Coffee break**

11:00-12:00 **Viveka Erlandsson (University of Bristol, UK)**
Counting curves on surfaces

12:00-13:00 **Samir El Zein, Tamirace Fakhoury, Digambara Patra**
Meeting with Lebanese Humboltians

13:00-13:30 **Closing Ceremony**

13:30-15:00 **Lunch break**