

At the confluence of Analysis, Geometry and Modern Mathematical Physics

Beirut, February 15-17, 2018

Program

Thursday, February 15 (Hadath)

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 (Famar)

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 (Fanar)

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

10:30-10:45 Coffee break

10:45-11:45 Viveka Erlandsson (University of Bristol, UK)
Counting curves on surfaces

11:45-12:45 Samir El Zein, Tamirace Fakhoury, Digambara Patra
Meeting with Lebanese Humboldtians

12:45-14:00 Lunch break

14:15- Excursion to Byblos City and Diner of the conference