

## **Small group : Recent Challenges in Contact Geometry**

### **Monday June 8**

9h00 - Welcoming address

9h05 - Vincent Colin  
Towards a Heegaard-Floer type theory in high dimension

10h10 - - John Pardon  
Existence of Lefschetz fibrations on Stein and Weinstein domains

11h25 - Roger Casals  
Geometric criteria for overtwistedness

12h30 - Lunch

17h00 - Roman Golovko  
On Arnold-type inequalities, linear representation of a characteristic algebra, and exact Lagrangian fillings

18h10 - Anne Vaugon  
Reeb dynamics and handle attachment

19h30 - Dinner

### **Tuesday June 9**

9h00 - Lenny Ng  
Augmentation and sheaf categories for Legendrian knots, I.

10h10 - Strom Borman / Yasha Eliashberg / Emmy Murphy  
TBA, I

11h25 - Baptiste Chantraine  
Legendrian Floer homology and positive isotopies

12h30 – Lunch

17h00 - Klaus Niederkrüger  
Tight exotic contact structures on Euclidean space

18h10 - Patrick Massot  
Questions around the notion of contact homeomorphisms

19h30 - Dinner

### **Wednesday June 10**

9h00 - Lenny Ng  
Augmentation and sheaf categories for Legendrian knots, II.

10h10 - Sheila Sandon  
Translated point homology for hypertight contact manifolds

11h25 - Strom Borman / Yasha Eliashberg / Emmy Murphy  
TBA, II

12h30 - Lunch

Free afternoon!

19h30 - Dinner

## **Thursday June 11**

9h00 - Tobias Ekholm  
Non-loose Legendrian spheres with trivial contact homology DGA

10h10 - Michael Hutchings  
Symplectic embeddings of convex toric domains

11h25 - Sylvain Courte  
Contact structures with isomorphic symplectizations

12h30 - Lunch

17h00 - Maia Fraser  
Contact homological approach to non-squeezing at large scale

18h10 - Tobias Ekholm  
Symplectic and contact DGA's

19h30 - Dinner (bouillabaisse!)

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## **Friday June 12**

9h00 - Frédéric Bourgeois  
Legendrian knot invariants defined from generating families

10H10 - Paolo Ghiggini  
Floer homology for Lagrangian cobordisms, construction and/or applications

11H25 - Chris Wendl  
Classifying Stein fillings up to Stein deformation equivalence

12h30 - Lunch

Undetermined afternoon...