**TOPOSES IN COMO**

School: 24-26 June 2018 - Conference: 27-29 June 2018

**PROGRAMME**

School: 24-26 June 2018

**Sunday, June 24th, 2018**

11.30-13.00  Welcome cocktail and registration

13.00-14.00  Some glances at topos theory I
            Francis Borceux

14.00-15.00  Some glances at topos theory II
            Francis Borceux

15.00-15.30  coffee break

15.30-16.30  Grothendieck toposes as generalised spaces I
            Laurent Lafforgue

16.30-17.30  Grothendieck toposes as generalised spaces II
            Laurent Lafforgue

**Monday, June 25th, 2018**

9.00-10.00  Some glances at topos theory III
            Francis Borceux

10.00-11.00  Some glances at topos theory IV
            Francis Borceux

11.00-11.30  coffee break

11.30-12.30  Grothendieck toposes as generalised spaces III
            Laurent Lafforgue
12.30-14.00  lunch
14.00-15.00  Grothendieck toposes as generalised spaces IV
            Laurent Lafforgue
15.00-16.00  Grothendieck toposes as `bridges' between theories I
            Olivia Caramello
16.00-16.30  coffee break
16.30-17.30  Grothendieck toposes as `bridges' between theories II
            Olivia Caramello

Tuesday, June 26th, 2018

9.00-10.00  Some glances at topos theory V
            Francis Borceux
10.00-11.00 Some glances at topos theory VI
            Francis Borceux
11.00-11.30  coffee break
11.30-12.30  Grothendieck toposes as `bridges' between theories III
            Olivia Caramello
12.30-14.00  lunch
14.00-15.00  Grothendieck toposes as `bridges' between theories IV
            Olivia Caramello
15.00-16.00  The power of the simplest arithmetic examples of Grothendieck toposes I
            Alain Connes
16.00-16.30  coffee break
16.30-17.30  The power of the simplest arithmetic examples of Grothendieck toposes II
            Alain Connes

21.00  “LA MUSICA DELLE FORME”, a PUBLIC LECTURE by Alain Connes
            Pinacoteca di Como
            The lecture will be in French with simultaneous Italian translation
Wednesday, June 27th, 2018

9.00-10.00  A topos-theoretic approach to systems and behavior  
            David I. Spivak (joint work with Patrick Schultz)

10.00-11.00 Models of Univalence in Toposes  
             Andrew Pitts

11.00-11.30 coffee break

11.30-12.30 Homotopy type theory, synthetic topology and probabilistic programming  
             Bas Spitters

12.30-14.00 lunch

14.00-15.00 On the relation between Grothendieck-Galois and Deligne-Tannaka theories  
             Eduardo J. Dubuc

15.00-15.30 An arithmetic site for $\mathbb{Q}(\sqrt{2})$  
             Aurelien Sagnier

15.30-16.00 Grothendieck categories as a bilocalization of linear sites  
             Julia Ramos González

16.00-16.30 coffee break

16.30-17.00 Topology of interactivity  
             Stephane Dugowson

17.00-17.30 Stochastic manifolds  
             Anatole Khelif

Thursday, June 28th, 2018

10.00-11.00 Cohomology to logic and back  
             Tibor Beke

11.00-11.30 coffee break

11.30-12.30 Isotropy of Toposes  
             Pieter Hofstra

12.30-14.00 lunch

14.00-17.30 free afternoon

20.00 Social dinner at RISTORANTE IMBARCADERO
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.00-11.00</td>
<td>How topos theory can help commutative algebra</td>
<td>Ingo Blechschmidt</td>
</tr>
<tr>
<td>11.00-11.30</td>
<td>coffee break</td>
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</tr>
<tr>
<td>11.30-12.30</td>
<td>Nonconnective structures</td>
<td>Mauro Porta</td>
</tr>
<tr>
<td>12.30-14.00</td>
<td>lunch</td>
<td></td>
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<tr>
<td>14.00-15.00</td>
<td>Elementary toposes from a predicative point of view</td>
<td>Maria Emilia Maietti</td>
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<tr>
<td>15.00-15.30</td>
<td>A geometric theory for o-minimal structures</td>
<td>Henri Lombardi</td>
</tr>
<tr>
<td>15.30-16.00</td>
<td>Infinitary generalizations of Deligne's completeness theorem</td>
<td>Christian Espindola</td>
</tr>
<tr>
<td>16.00-16.30</td>
<td>coffee break</td>
<td></td>
</tr>
<tr>
<td>16.30-17.00</td>
<td>Grothendieck toposes constructively, via arithmetic universes</td>
<td>Steve Vickers</td>
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<tr>
<td>17.00-17.30</td>
<td>Fibrations of contexts and fibrations of toposes</td>
<td>Sina Hazratpour</td>
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</tbody>
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