



2015

10 - 13 June, Porto - Portugal
INTERNATIONAL MEETING

AMS / EMS / SPM
american / european / sociedade
mathematical / mathematical / portuguesa de
society / society / matemática



Special Session 28

Higher Dimensional Algebra in Geometry and Quantum Field Theory

Wednesday June 10, 2015 – Room M004

- 13:00-13:50 Chenchang Zhu [abstract # 1111-53-638](#)
Higher category for L_∞ -groupoids.
- 14:00-14:20 Christoph Wockel [abstract # 1111-22-726](#)
Bisections of Lie groupoids as a link between infinite-dimensional and higher geometry.
- 14:30-14:50 Friedrich Wagemann [abstract # 1111-18-107](#)
On the string Lie algebra.
- 15:00-15:20 Lucio Simone Cirio [abstract # 1111-16-562](#)
A categorification of infinitesimal braidings and of Casimir Lie algebras.

Thursday June 11, 2015 – Room M004

- 13:00-13:50 Urs Schreiber [abstract # 1111-53-686](#)
Obstruction theory for parameterized higher WZW-terms.
- 14:00-14:20 Christoph Schweigert [abstract # 1111-81-40](#)
Symmetries and defects in three-dimensional topological field theory.
- 14:30-14:50 Jeffrey C. Morton [abstract # 1111-18-576](#)
Transformation double groupoids in higher gauge theory.
- 15:00-15:20 John Huerta [abstract # 1111-18-592](#)
Trigroups and M-theory.

Friday June 12, 2015 – Room M004

- 9:00-9:50 Christopher J. Schommer-Pries [abstract # 1111-55-574](#)
Extended 3-dimensional topological field theories.
- 10:00-10:20 I. Runkel [abstract # 1111-81-352](#)
Defects, orbifolds and spin.
- 10:20-11:00 **Coffee/Tea Break**
- 11:00-11:20 Thomas Nikolaus [abstract # 1111-55-623](#)
Global equivariant homotopy theory.
- 11:30-11:50 Yaël Frégier [abstract # 1111-18-564](#)
 L_∞ algebras governing simultaneous deformations in algebra and geometry.

Saturday June 13, 2015 – Room M004

- 13:00-13:50 Alberto S. Cattaneo [abstract # 1111-55-404](#)
Perturbative BV-BFV theories on manifolds with boundary.
- 14:00-14:20 Aleksandar Mikovic [no abstract](#)
Canonical quantization of Poincare BFCG theory.
- 14:30-14:50 Paolo Aschieri [abstract # 1111-53-742](#)
Noncommutative Chern-Simons gauge and gravity theories and their geometric Seiberg-Witten map.