



# 2015

10 - 13 June, Porto - Portugal

## INTERNATIONAL MEETING

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



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### Special Session 27

### Higgs Bundles and Character Varieties

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#### Wednesday June 10, 2015 – Room M005

13:00-13:20	Vicente Muñoz <i>Geometric techniques for character varieties.</i>	no abstract
13:30-13:50	Graeme Wilkin <i>Morse theory for Higgs bundles.</i>	<a href="#">abstract # 1111-58-329</a>
14:00-14:20	Sean Lawton <i>Homotopy groups of character varieties.</i>	<a href="#">abstract # 1111-14-65</a>
14:30-14:50	Steven Rayan <i>Hyperpolygons and Hitchin systems.</i>	<a href="#">abstract # 1111-14-434</a>
15:00-15:20	Oscar Garcia-Prada <i>Parabolic Higgs bundles and representations of the fundamental group of a punctured surface.</i>	<a href="#">abstract # 1111-51-607</a>

#### Thursday June 11, 2015 – Room M005

9:00-9:20	Laura Schaposnik <i>Higgs bundles, spectral data, and applications.</i>	<a href="#">abstract # 1111-51-251</a>
9:30-9:50	Marina Logares <i>Bohr-Sommerfeld Lagrangians for the moduli space of Higgs bundles.</i>	<a href="#">abstract # 1111-14-302</a>
10:00-10:20	Alfonso Zamora <i>GIT characterizations of Harder-Narasimhan filtrations.</i>	<a href="#">abstract # 1111-14-279</a>
10:20-11:00	<b>Coffee/Tea Break</b>	
11:00-11:20	Ana Peon-Nieto <i>Quasi-split real groups and the Hitchin map.</i>	<a href="#">abstract # 1111-14-704</a>
11:30-11:50	Javier Martínez <i>E-polynomials of the <math>SL(2, \mathbb{C})</math>-character varieties of surface groups.</i>	<a href="#">abstract # 1111-14-46</a>

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Rooms Mxxy are located in the Mathematics Department on floor  $x = 0, 1, 2$ ; rooms Q0yy are located in the Chemistry Department on the ground floor; rooms F-1yy are located in the Physics Department, basement floor.

**Friday June 12, 2015 – Room M122**

9:00-9:20	Brian Collier	<a href="#">abstract # 1111-53-373</a>
	<i>A mapping class group invariant parameterization of maximal <math>\mathrm{Sp}(4, \mathbb{R})</math> representations.</i>	
9:30-9:50	Hartmuth Weiss	<a href="#">abstract # 1111-53-228</a>
	<i>Ends of moduli spaces of Higgs bundles.</i>	
10:00-10:20	Qionglin Li	<a href="#">abstract # 1111-53-519</a>
	<i>Asymptotics of certain families of Higgs bundles.</i>	
10:20-11:00	<b>Coffee/Tea Break</b>	
11:00-11:20	Susana Carvalho Ferreira	<a href="#">abstract # 1111-14-784</a>
	<i>Schottky bundles.</i>	
11:30-11:50	Mario Garcia-Fernandez	<a href="#">abstract # 1111-53-591</a>
	<i>Balanced metrics on twisted Higgs Bundles.</i>	
12:00-12:20	Richard Wentworth	<a href="#">abstract # 1111-14-629</a>
	<i>Deligne pairings and holomorphic extension of analytic torsion.</i>	