

ESF Mathematics Conference in Partnership with EMS and ERCOM

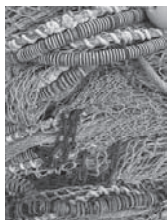
Teichmüller Theory and its Interactions in Mathematics and Physics

28 June - 3 July 2010, Bellaterra, Spain

www.esf.org/conferences/10321

This ESF-EMS-ERCOM Conference aims to highlight some of the most important advances in Teichmüller theory. This theory will be considered both from the geometric point of view (Thurston's theory and its ramifications) and from the analytic point of view (the Ahlfors-Bers theory and its ramifications). The relation with physics will also be emphasized.

Conference topics will include: - Weil-Petersson geometry and other metric structures; - mapping class groups and their representation theory; - rigidity theory; - infinite-dimensional Teichmüller spaces; - relations with dynamical systems; - relations with number theory and probability theory; - invariants of 3- and 4-manifolds; - moduli spaces of flat connections; - cluster algebras and quantization.



In addition to specialized talks, there will be several survey talks given by leading experts in the field.

Young researchers are particularly encouraged to participate, and graduate students in the field are also welcome.

Application form & programme available from

www.esf.org/conferences/10321

Closing date for applications: **5 April 2010**

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