



# Summer School on String Topology and Hochschild Homology; Applications to Mathematical Physics

University of Almería, September 16-20, 2003

## Lecturers

**Ralph Cohen** (U. Stanford)

**Kathryn Hess** (E. P. F. Lausanne)

**Alexander A. Voronov** (U. Minnesota)

An initiative of the  
**Groupement de  
Recherche Européen  
"Topologie Algébrique"**  
&  
**Centre de Recerca  
Matemàtica (Barcelona)**

## Topics

The past decades have seen great interplays between theoretical physics and algebraic topology. It is very exciting for a topologist to learn how such familiar objects as Hochschild cohomology and free loop spaces can be used by physicists. String theory deserves a particular attention because of its inspirational influence in homotopy theory.

This summer school will consist of three intensive courses, focusing on Hochschild (co)-homology and string topology, from the point of view of homotopy theory (K. Hess) and also as a topological field theory (R. Cohen, A. Voronov). Participants will also have the opportunity to present posters on their own research.

More information is available at the URL

<http://www.ual.es/Congresos/GDRETA>

Last day for register and submit a poster is **August 15, 2003**

## Organizing committee

David Chataur  
(CRM, Barcelona)  
[dchataur@crm.es](mailto:dchataur@crm.es)

José L. Rodríguez  
(U. Almería)  
[jlrodri@ual.es](mailto:jlrodri@ual.es)

Jérôme Scherer  
(U. A. Barcelona)  
[jscherer@mat.uab.es](mailto:jscherer@mat.uab.es)

## Contact address

José L. Rodríguez  
Área de Geometría y Topología  
Universidad de Almería  
04120 La Cañada de San Urbano  
Almería, Spain

E-mail: [gdreta@ual.es](mailto:gdreta@ual.es)

Collaborating institutions



Ministerio de Ciencia y Tecnología, Centre National de la Recherche Scientifique, Junta de Andalucía, Vicerrectorado de Investigación y Desarrollo Tecnológico (UAL), Vicerrectorado de Extensión Universitaria (UAL), Facultad de Ciencias Experimentales (UAL), Centre de Recerca Matemàtica (Barcelona), Red Española de Topología (MCYT), Real Sociedad Matemática Española, Editorial Birkhäuser, Patronato Provincial de Turismo (Diputación de Almería), XV Juegos del Mediterráneo Almería 2005, Ayuntamiento de Almería.

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