

Intensive Research Period
May – July 2011

KNOTS & APPLICATIONS

Workshop
Braids and Applications
22-23 June, 2011



Mathematical Research Centre (CRM) “Ennio De Giorgi”
Scuola Normale Superiore – Pisa, Italy

URL: <http://www.crm.sns.it/hpp/events/event.html?id=146>

In recent years, braid theory has gained increased importance in both pure mathematics and applications. Braids provide an algebraic route into knot theory. They can be used in strong cryptography. They provide measures of topological complexity such as topological entropy and minimum crossing number, which have applications from fluid mechanics to robotics to solar physics. This workshop will bring together pure and applied mathematicians and scientists to share ideas about how braid theory may further enrich our understanding of mathematics and nature.

Invited Speakers

Mitch Berger, U. Exeter, UK
Juan Gonzales-Meneses, U. Seville, Spain
Luis Paris, U. Bourgogne, France
Mauro Spera, U. Verona, Italy
Jean-Luc Thiffeault, U. Wisconsin, USA
Matt Turner, U. Brighton, UK
Anthony Yeates, U. Dundee, UK
Bertold Wiest, U. Rennes, France

Participants wishing to contribute a short talk are encouraged to submit title and abstract to Mitch Berger at M.Berger@exeter.ac.uk. The local expenses of speakers will be covered by the organization. Young participants can apply for financial support, even if they are not submitting a talk.

Registration: Required via the website above.

Financial support: Prospective participants should seek grant/university support towards travel expenses. Limited funding towards participant local expenses may be provided by CRM and INdAM upon application. Participants seeking support should send their CV and list of publications to M.Berger@exeter.ac.uk, before **13 April, 2011**.