



INdAM

Istituto Nazionale di Alta Matematica

*Chromatic and colored structures
in geometry and statistical physics*

INdAM Meeting
Palazzone SNS, Cortona (Italy)
May 24–30, 2015

Organizers:

Annalisa Marzuoli & Francesco Bonsante (Pavia)
Silvia Benvenuti (Camerino)

Topics include: chromatic functions on graphs, exactly solvable models, colored polynomials of knots and 3-manifolds, finite-type invariants, the volume conjecture, colored state sum models, moduli spaces, mapping class group and handlebody presentations, spin-networks in relativistic and topological quantum field theories, algorithmic aspects.

There will be mini-courses, talks, informal seminars and discussion-groups, leaving to focus-groups specific background arguments.

Mini-courses

François Costantino (Toulouse) : “Non semisimple spin networks and TQFTs”

Martin LoebI (Prague): “Chromatic-type polynomials on graphs”

Roland van der Veen (Amsterdam): “Planar spin networks: chromatic, hyperbolic and superconformal”

Speakers

Vincenzo Aquilanti (Perugia); Silvia Benvenuti; Francesco Bonsante; Gaetan Borot (Bonn); Mauro Carfora (Pavia); Stavros Garoufalidis (Georgia); Robert Littlejohn (Berkeley); Annalisa Marzuoli; Riccardo Piergallini (Camerino); Mario Rasetti (Torino); Nicolai Reshetikhin (Berkeley).

No fees are required and a limited number of travel grants are available for PhD students and postdocs

Deadline for applications: **February 6, 2015**; please contact

chroc2015@unipv.it

