



Istituto Veneto
di Scienze Lettere
ed Arti

Istituto Veneto di Scienze, Lettere ed Arti



Dipartimento di Fisica "Galileo Galilei"
Universita' di Padova

International Workshop on "Knots and Macromolecules"

March 16-18, 2006

Istituto Veneto di Scienze, Lettere ed Arti, Campo S. Stefano 2945 Venice, Italy



Topics: Topological entanglement in polymers and biopolymers:
complexity, localization, dynamics. Knots in DNA and proteins.

Organizers

Enzo Orlandini

Università di Padova

Attilio L. Stella

Istituto Veneto di Scienze, Lettere ed Arti
Università di Padova

Stu G. Whittington

University of Toronto

Invited Speakers

Gustavo Arteca Department of Chemistry and Biochemistry, Laurentian
University, Canada

Marco Baiesi Inst. for Theor. Physics, K.U. Leuven, Belgium

Eli Ben-Naim Center for NonLinear Studies, Los Alamos National Laboratory,
USA

Gregory Buck Department of Mathematics, St. Anselm College, UK

Jason Cantarella Department of Mathematics, University of Georgia, USA

Nicolas Cozzarelli Department of Molecular and Cell Biology, University of
California, USA

Isabel Darcy Department of Mathematics, University of Iowa 14, USA

Tetsuo Deguchi Department of Physics, Ochanomizu University, Japan

Yuanan Diao Department of Mathematics, University of North Carolina, USA

Giovanni Dietler Ecole Polytechnique Federale de Lausanne, Switzerland

Bertrand Duplantier SPHT, Saclay, CEA, France

Erika Ercolini Ecole Polytechnique Federale de Lausanne, Switzerland

Claus Ernst Department of Mathematics, Western Kentucky University, USA

Alexander Grosberg Physics Department, University of Minnesota, USA

E.J. Janse van Rensburg Department of Mathematics and Statistics, York
University, Canada

Stephen Levene Department of Molecular and Cell Biology, University of
Texas, USA.

Boris Marcone Dipartimento di Fisica, Universita' di Padova, Italy.

Davide Marenduzzo Mathematics Institute, University of Warwick, UK

Ralf Metzler NORDITA, Denmark

Cristian Micheletti SISSA, Italy

Kenneth Millett Department of Mathematics, University of California Santa
Barbara, USA

Sergei Nechaev LPTMS, Universite Paris Sud, France

Olivier Pierre-Louis CNRS / Lab. de Spectrometrie Physique, UJF-Grenoble,
France.

Renzo Ricca Dipartimento di Matematica, Universita' di Milano-Bicocca, Italy.

Chris Soteros Mathematical Science Group, University of Saskatchewan,
Canada

Andrzej Stasiak University of Lausanne, Laboratory of Ultrastructural
Analysis, Lausanne

John Sullivan Department of Mathematics, University of Illinois, USA

Maria Carla Tesi Dipartimento di Matematica, Università di Bologna, Italy

De Witt Sumners Department of Mathematics, Florida State University, USA

Carlo Vanderzande Limburgs Universitair Centrum, Belgium

Francesco Zonta Dipartimento di Fisica, Università di Padova, Italy