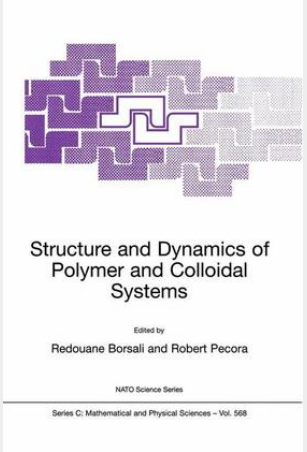
Pecora / Borsali

Structure and Dynamics of Polymer and Colloidal Systems



This volume is based on lectures given at the NATO-Advanced Study Institute on Structure and Dynamics of Polymer and Colloid Systems held in Les Houches, France from September 14-24, 1999. The meeting arose from a perceived need to bring together scientists studying the polymer and colloid fields. Although these fields are intertwined and share many techniques (e. g., light, neutron and x-ray scattering), it is remarkable how little the approaches and concepts used by the one field penetrate the other. For instance, the theory of spherical colloids is very highly developed and many of the concepts developed for these systems can be extended to those with non-spherical morphology, such as solutions of rigid rod polymers. In addition, mixtures of polymers and colloids, both in the bulk and at interfaces, are the basis for many industrial products. Methods are now rapidly being developed for understanding the structure and dynamics in polymer/colloid mixtures at the molecular level, but the point of view of the colloid scientist is often rather different from that of the polymer scientist. The NATO-ASI brought together polymer and colloid scientists, including many young researchers, who presented and discussed recent developments in these fields and the possibilities for cross-fertilization This volume contains articles on a wide variety of topics at the research forefront of the polymer and colloid fields by some of the world's foremost experts at a level accessible to graduate students, post-docs and researchers.

Springer Book Archives

213,99 €
199,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9781402005015
Medium: Buch
ISBN: 978-1-4020-0501-5
Verlag: Springer Netherlands
Erscheinungstermin: 31.03.2002
Sprache(n): Englisch
Auflage: 2002
Serie: Nato Science Series C:
Produktform: Gebunden
Gewicht: 1890 g
Seiten: 477
Format (B x H): 160 x 241 mm