



Drops and Bubbles in Contact with Solid Surfaces (Progress in Colloid and Interface Science)

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The third volume in a series dedicated to colloids and interfaces, **Drops and Bubbles in Contact with Solid** Surfaces presents an up-to-date overview of the fundamentals and applications of drops and bubbles and their interaction with solid surfaces. The chapters cover the theoretical and experimental aspects of wetting and wettability, liquid-solid interfacial properties, and spreading dynamics on different surfaces, including a special section on polymers.

The book examines issues related to interpretation of contact angle from nano to macro systems. Expert contributors discuss interesting peculiarities, such as the phenomena of super-spreading and superhydrophobicity. They discuss specific solid surfaces—for example, reactions and wetting of liquid metals at high temperatures—and the interaction between nano-bubbles at solid surface and nano-particles at liquid interfaces. The book also includes a chapter on electro-wetting.

Given the range of topics covered in this volume, the state-of-art content is useful to readers looking for an introductory overview as well as those looking for in-depth exploration of material related to the interaction of fluids with solid surfaces. It is a valuable contribution to the field of characterization of solid surfaces and can be used as a working tool or to stimulate further study for researchers and students.



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