CONTENTS

A Review of Multiscale Analysis: Examples from Systems Biology, Materials Engineering, and Other Fluid–Surface Interacting Systems

Dionisios G. Vlachos

Quantifying Physics and Chemistry at Multiple Length-scales using Magnetic Resonance Techniques

Lynn F. Gladden, Michael D. Mantle and Andrew J. Sederman

Modeling of transport and transformation processes in porous and multiphase bodies

Juraj Kosek, František Štěpánek and Miloš Marek

Spatially Averaged Multi-Scale Models for Chemical Reactors

SAIKAT CHAKRABORTY AND VEMURI BALAKOTAIAH