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The main purpose of new ***SPRINGER Series in Light Scattering*** is to present recent advances and progress in light scattering media optics. The topic is very broad and incorporates such diverse areas as atmospheric optics, ocean optics, optics of close-packed media, radiative transfer, light scattering, absorption, and scattering by single scatterers and also by systems of particles, biomedical optics, optical properties of cosmic dust, remote sensing of atmosphere and ocean, etc. The topic is of importance for material science, environmental science, climate change, and also for optical engineering. Although main developments in the solutions of radiative transfer and light scattering problems have been achieved in the 20th century by efforts of many scientists including V. Ambartsumian, S. Chandrasekhar, P. Debye, H. C. van de Hulst, G. Mie, and V. Sobolev, the light scattering media optics still have many puzzles to be solved such as radiative transfer in closely packed media, 3D radiative transfer as applied to the solution of inverse problems, optics of terrestrial and planetary surfaces, etc. Also it has a broad range of applications in many brunches of modern science and technology such as biomedical optics, atmospheric and oceanic optics, and astrophysics, to name a few. It is planned that the Series will raise novel scientific questions, integrate data analysis, and offer new insights in optics of light scattering media.

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Editor

Springer Series in Light Scattering

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