About the Authors

Paul Klocek joined Texas Instruments in 1984 and is manager of the Advanced Optical Materials Laboratory, where he is responsible for the research and development of optical materials and components. He has been involved in fundamental characterization and materials development of chalcogenide glasses, various III-V and II-VI crystals, diamond, silicon, and various nitrides, from which he has developed optical fibers, windows, domes, and geometric optics. He has chaired SPIE conferences in infrared optical materials and is editor/author for two books and several papers on infrared optical materials and components.

George H. Sigel, Jr. is director of the Rutgers University Fiber Optic Materials Research Program, which is a joint university, industry, government effort directed at broadly based, interdisciplinary research on fiber optic materials, processing, measurements, and devices. Prior to joining Rutgers in 1985, Dr. Sigel was at the Naval Research Laboratory, where he directed fiber optic materials research programs. His research included work on radiation effects on optical fibers, the development of low loss fluoride glass fibers in the IR, and fiber optic sensors. He has published more than 200 papers on optical materials and fibers and is the holder of 14 patents.