Development of hot-pressed and chemical-vapor-deposited zinc sulfide and zinc selenide in the United States for optical windows

International development of chemical vapor deposited zinc sulfide

Optical properties of epitaxial single-crystal chemical-vapor-deposited diamond

Spectral characterization of diffractively structured GaAs using the ARISTMS

Fluorinated silicate glass for conventional and holographic optical elements

Development of a laser glass for the National Ignition Facility

Spark plasma sintering and forming of transparent polycrystalline Al[subscript 2]O[subscript 3] windows and domes

Nanocomposite optical ceramics for infrared windows and domes

Polycrystalline yttrium aluminum garnet (YAG) for IR transparent missile domes and windows

Optical properties of Nd doped and undoped polycrystalline YAG

Erosion studies of infrared dome materials

BRDF and BSDF models for diffuse surface and bulk scatter from transparent windows

Application of nondestructive optical techniques in the detection of surface and subsurface defects in sapphire

Characterization of AFB sapphire single crystal composites for infrared window application

Simulation and experimental results of sub-aperture transmitted wavefront measurements of a window using a time-delayed source

Transmitted wavefront metrology of hemispheric domes using scanning low-coherence dual-interferometry (SLCDI)

Time-delayed source and interferometric measurement of domes and windows

Laser-assisted pre-finishing of optical ceramic materials

Developments in the finishing of domes and conformal optics

Contact mechanics models and algorithms for dome polishing with UltraForm Finishing (UFF)

Improving surface figure and microroughness of IR materials and diamond turned surfaces with magnetorheological finishing (MRF)

High durability antireflection coatings for silicon and multispectral ZnS

iDLC : hardcoat for chalcogenide glass and other IR materials

Effects of mesh voids on insertion loss of metallic mesh coatings

Update on the development of high performance anti-reflecting surface relief microstructures

An improved soft-chemistry approach to the preparation of spinel powders

Polycrystalline transparent spinel domes for multimode seeker applications

Critical parameters for grinding large sapphire window panels

Improvements in large window and optics production

Reduced angle-shift infrared bandpass filter coatings

Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.