

**THOMAS MORAVEC
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Available for Worldwide Travel

SUMMARY: Focused efforts to solve problems in the areas of:

- 1) Materials, Coatings, Optics, Photochromic dyes, and Optical Materials for Ophthalmic Lenses Including Test Procedures for Compliance to National and International Prescription and Non-Prescription Ophthalmic Lens Standards;
- 2) Photochromic Dyes and Photochromic Dye Synthesis;
- 3) Multi-layer Optical Thin Film Coatings Designed with FilmStar™ Software;
- 4) High Vacuum Systems, Thin Film Processes, and Vacuum Deposited Thin Film Materials;
- 5) Anti-Reflective Coatings, Hydrophobic Coatings and Oleophobic coatings for Plastic Ophthalmic Lenses;
- 6) Characterization of Solids, Lenses and Thin Films by UV-VIS Spectrophotometry, Ellipsometry and Colorimetry, including L^* , a^* , b^* and CIE Color Coordinates;
- 7) Chemical Vapor Deposition of Polycrystalline Diamond and Diamond-like Carbon;
- 8) Patents, Patent Analysis and Monitoring Competitive Patent Activity.

WORK EXPERIENCE:

- Ophthalmic Lens Manufacturer: Vision-Ease Lens;
- Abrasives Manufacturer: Norton Diamond Film (Norton Industrial Ceramics: now Saint Gobain Corp.: www.saint-gobain-corporation.com);
- Diversified Manufacturer: Honeywell.

HIGHLIGHTS:

- Successfully developed several technologies from R&D to manufacturing resulting in Multi-Million Dollar Eyewear Products at Vision-Ease Lens: Photochromic LifeRx™ Lens and Melanin Sun Lens for Lenscrafters; SunRx™ polarized polycarbonate lens line.
- At Honeywell, awarded Honeywell's highest technical award for Development of Production Method for Thin Film Mirrors for Ring Laser Gyroscope Product.
- Published over 40 technical papers in Professional Journals.

EDUCATION:

Ph.D., M.A., Physics, University of Wisconsin, Madison, WI

PATENTS (with co-inventors):

US#4,176,207, "Non-Birefringent Thallium Iodide Thin Films for Surface Protection of Halide Optical Elements"
US#4,176,208, "Production of Inhomogeneous Films"
US#5,757,459, "Multifocal Optical Elements"
US#5,827,614, "Production of Optical Elements"
US#5,856,860, "Multifocal Optical Elements"
US#6,328,446, "Production of Optical Elements"
US#6,814,896, "Production of Optical Elements"
US#6,761,452, "Light Polarization Film with Melanin"
US#6,833,159, "Method for Applying Hydrophobic Anti-Reflection Coatings to Lenses and Lens Blanks"
US#6,886,937, "Ophthalmic Lens with Graded Interference Coating"
US#7,048,997, "Production of Optical Elements"
US#7,077,985, "Injection Molding of Lens"
US#7,144,598, "Rapid Thermally Cured, Back Side Mar Resistant and Antireflective Coating for Ophthalmic Lenses"