

Proceedings of the 1st International Congress on Wavefront Sensing and Aberration-free Refractive Correction

Introduction

As feature editors, we are pleased to present to the readers of the *Journal of Refractive Surgery* the proceedings of the most exciting meeting in clinical and visual optics held in the last 30 years. On February 12, 2000, the 1st International Congress of Wavefront Sensing and Aberration-free Refractive Correction was held in Santa Fe, New Mexico. The meeting was co-sponsored by the Optical Society of America. Offering assistance were the International Society of Refractive Surgery and the American Academy of Optometry. Generous corporate sponsors were Autonomous Technologies, Inc. and Wavelight Technology, Inc. as Founders, and Technomed Technologies, Inc., Bausch and Lomb, Inc., Tracey Technologies, Inc., VISX, Inc., and Vision Correction Group, Inc., as supporting members.

The special section from this exciting meeting includes papers on the optical and neural limits to vision, history of ocular wavefront sensing, the

aberration structure of the normal and clinical eye, current methods of ocular wavefront sensing, clinical instrumentation, coupling wavefront sensors to lasers to create "super vision," clinical outcomes, and ends with a paper on future challenges to refractive surgery. In addition, this special section includes relevant proceedings papers from the Vision Science and Its Applications meeting sponsored by the Optical Society of America, a paper by Larry Thibos, PhD, based on his ARVO 2000 invited symposia paper entitled, "The Prospects for Perfect Vision," and relevant unsolicited papers submitted to the *Journal of Refractive Surgery* for publication.

In closing, we are pleased to announce the 2nd International Congress of Wavefront Sensing and Aberration-free Refractive Correction on February 10, 2001, and the Vision Science and Its Applications meeting, February 9-12, 2001, to be held in Monterey, California at the Hyatt Regency Resort and Conference Center. One registration fee will apply to both meetings.

For registration information, log onto <http://www.osa.org/mtg_conf/> or contact the OSA Customer Service Department at 202.416.1907.

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