

## ***Thomas O. Salmon, O.D., Ph.D., F.A.A.O.***

Professor of Optometry

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### **OBJECTIVES**

To create high quality, innovative educational programs that prepare optometry students and optometric physicians to apply vision science to clinical practice.

To develop a visual optics research program that brings national and international recognition to Northeastern State University, and which makes a significant contribution to clinical eye care.

### **EDUCATION**

1999	Ph.D., Indiana University, Bloomington, IN (physiological optics)
1992	Primary care residency, Northeastern State University, Tahlequah, OK
1979	O.D., Indiana University, Bloomington, IN
1977	B.S., Indiana University, Bloomington, IN

### **ACADEMIC APPOINTMENTS**

2009-present	Professor, College of Optometry, Northeastern State University
2003	Tenure awarded
2002-2009	Associate Professor, College of Optometry, Northeastern State University
1997-2002	Assistant Professor, College of Optometry, Northeastern State University
1992-1997	Clinical Instructor, School of Optometry, Indiana University (in graduate school)
1991-1992	Adjunct Assistant Professor, College of Optometry, Northeastern State University
1979	Neuroanatomy Assistant Instructor, School of Optometry, Indiana University

### **TEACHING AT NORTHEASTERN STATE UNIVERSITY**

Teaching including lectures, labs, clinic and student research projects.

- BIOL 4410 Research in Biology. 1 credit. Provide overview and observation of the research in my lab for an NSU biology student.
- OPT 7062 Optometry Research Project III. 2 credits. Lecture and out-of-class research. Summer 2009 to present.
- OPT 6262 Optometry Research Project II. 2 credits. Lecture and out-of-class research. Spring 2009 to present.
- OPT 6122 Optometry Research Project I. 2 credits. Lecture and out-of-class research. Fall 2008.
- OPT 6111 Research Methodology. 1 credit, lecture. Assisted Dr. Gary Wichham in Fall 2007.
- OPT 5134 Vision Science II: Sensory Aspects of Vision. 4 credits, lecture and lab. Fall semester 1997 to present

- OPT 5215 Vision Science III: Ocular Motility and Binocular Vision. 5 credits, lecture and lab. Spring semester 1999 to 2004. Team taught 2005-2007.
- OPT 6051 Environmental Vision. 1 credit, lecture. Summer 1998 to 2007.
- NSU Honors Research IV (4401). 1 credit. Spring 2007.
- NSU Honors Research III (4402). 2 credits. Fall 2006.
- NSU Honors Research II (3402). 2 credits. Spring 2006.
- NSU Honors Research I (3401). 1 credit. Fall 2005.

Clinical teaching assignments in the primary care, pediatric, contact lens, acute care, electrodiagnostic, vision therapy, infant vision and glaucoma clinics since 1997.

Faculty advisor for 17 optometry student research projects since 1997.

Texas Women's University graduate school

NURS 6014 Practicum, Research advisor for Carol Choate, PhD student, Spring 2006

## GRANTS

2010	Research consultant agreement, CooperVision Japan (\$130,059)
2009	Research consultant agreement, CooperVision Japan (\$127,478)
2008	Research consultant agreement, CooperVision Japan (\$125,146)
2007	Research consultant agreement, CooperVision Japan (\$160,120)
2006	Research consultant agreement, Vistakon (\$9,280)
2005-08	Research consultant contract, US Navy Refractive Surgery Center (\$12,360)
2005	NSU Faculty Research Grant (\$7,000)
2002	Travel grant, US Navy Refractive Surgery Center (\$1,000)
2001	NSU Faculty Research Grant, co-recipient (\$5,000)
2001	Travel grant, Wavefront Sciences, Inc. (\$1,000)
2000	NSU Faculty Research Grant, co-recipient, (\$5,000)

## HONORS

2007	Retirement, US Army Reserve, 30 years of service
2007	NSU Undergraduate Research Day, outstanding paper in science and health professions awarded to student Chris McDaniels
2006-07	Aberrations & Refraction Error Study team member (AAO/AOA research group)
2006	AAO/AOA Summer Invitational Research Institute, NSU delegate
2006	JNSU (Japanese students association) inducted into NSU Hall of Fame. I serve as JNSU's faculty advisor.
2006	Outstanding 2 <sup>nd</sup> -year professor, NSUOCO Class of 2008
2004	Co-moderator, Symposium on Optics & Refraction, American Academy of Optometry annual meeting, Tampa, FL
2004	Meritorious Service Medal, US Army Medical Research & Materiel Command
2003	NSU Circle of Excellence for Research (Faculty of the year for research)
2001	Promotion to colonel (O-6), US Army Reserve

- 2001 Co-moderator, Symposium on Optics and Refraction, American Academy of Optometry annual meeting, Philadelphia, PA
- 2001 Outstanding 2<sup>nd</sup>-year professor, NSUOCO Class of 2003
- 1999 Member, Optical Society of America committee to establish standards for measuring and reporting aberrations of the human eye. This became the basis for ANSI Z-80.28-2004 "Method for Reporting Optical Aberrations of Eyes"
- 1998 Moderator, Symposium on Aberrations, Wavefront Sensing and the Human Eye, Optical Society of America annual meeting
- 1998 Outstanding 2<sup>nd</sup>-year professor, NSUOCO Class of 2000
- 1997 EyeSys Premier Travel Fellowship
- 1995 Inducted as a Fellow, American Academy of Optometry (F.A.A.O.)
- 1995 William C. Ezell Fellowship, American Optometric Foundation
- 1994 William C. Ezell Fellowship, American Optometric Foundation
- 1994 Gordon G. Heath Fellowship, American Academy of Optometry, Indiana Chapter
- 1993 EyeSys Technologies Research Grant
- 1991 American Academy of Optometry Travel Fellowship
- 1990 Ten-year appreciation plaque, Japan Optometric Association
- 1983 US Army Commendation Medal
- 1979 John P. Davey Award, American Academy of Optometry, Indiana Chapter
- 1977 US Army ROTC Distinguished Military Graduate
- 1973 US Army ROTC four-year scholarship

## **MEMBERSHIPS**

Japan Contact Lens Society  
Association for Research in Vision and Ophthalmology (ARVO)  
American Academy of Optometry, Fellow  
Optical Society of America  
American Optometric Foundation  
Oklahoma Association of Optometric Physicians  
American Optometric Association  
Fellowship of Christian Optometrists  
Indiana University Alumni Association  
Northeastern State University Alumni Association  
First Evangelical Free Church of Tahlequah (member 1998-present, elder 2003-2009, board chairman 2007-2009)

## **PROFESSIONAL SERVICE**

US Army Reserve, Colonel, Research optometrist, US Army Aeromedical Research Laboratory, Ft. Rucker, Alabama (1994-2007)  
Biomedical Aspects of Visual and Auditory Performance Steering Group member, US Army Aeromedical Research Laboratory (2005-2007)  
Reviewer for the following journals:  
*Clinical and Experimental Optometry*  
*Ophthalmic and Physiological Optics*

*Journal of Cataract and Refractive Surgery*  
*Journal of Refractive Surgery*  
*Optometry and Vision Science*  
*Archives of Ophthalmology*  
*Vision Research*  
*Investigative Ophthalmology and Visual Science*  
*Acta Ophthalmologica Scandinavica*  
*Journal of the Optical Society of America*  
*Applied Optics*  
*Aviation, Space and Environmental Medicine*

Grant reviewer, National Eye Institute, Bethesda, MD, 2004

American Academy of Optometry Student Liaison committee (2003-present)

Northeastern State University committees and service

- Higher Learning Commission Team 7 - Acquisition, Discovery and Application of Knowledge (2009-2011)
- Brad Henry Fellowship (Swansea University, Wales, UK) selection committee (2009)
- International Programs Steering Committee (2009-present)
- Executive Director of Libraries Search and Screen Committee (2008)
- Student Appeals Committee (2007-present)
- Faculty Council delegate (2006-present)
- World-Wide Web committee (2006-present)
- Faculty sponsor/advisor for JNSU (Japanese student's association; 2004-present)
- Faculty sponsor/advisor for Celsior (Japanese Hip-Hop dance team; 2008-present)
- College of Optometry Student Research Projects committee (1997-present; chairman 2003-present)
- Circle-of-Excellence Award Committee (2005-2007, chairman 2007)
- Faculty Research Council (2005-2006)
- Northeastern State University varsity soccer team visual media specialist (2004-2006)
- NSU Internationals Football (soccer) Club, faculty sponsor (2005-2006)
- NSU Chapter, Fellowship of Christian Optometrists, faculty sponsor (1997-present)

## **PUBLISHED ARTICLES & BOOK CHAPTERS**

- 1) Salmon, T.O., van de Pol, C., Rash, C.E. (2009; in press) *Chapter 7: Visual Function*. In: Rash, C.E. ed, Helmet-Mounted Displays: Sensory, Perceptual and Cognitive Issues.
- 2) Salmon, T.O., Kato, M. (2009) *米国のオプトメトリーの現状* (Status of Optometry in the US). J Japan Optom Assoc. 27, 4-24.
- 3) Berger, J.S., Head, K.R., Salmon, T.O. (2009) *Comparison of Two Artificial Tear Formulations Using Aberrometry*. Clin Exper Optom, 92, 206-211.
- 4) West R.W., Salmon, T.O., Sawyer, J.K. (2008) Influence of the Epicanthal Fold on the Perceived Direction of Gaze. Optom Vis Sci, 85, 1064-1073.

- 5) Salmon, T.O., van de Pol, C., (2006) *Normal-eye Zernike coefficients and RMS wavefront errors*. J Cataract Refr Surg, 32, 2064-2074.
- 6) Salmon, T.O., van de Pol, C. (2006) *Accuracy, Repeatability and Instrument Myopia Induced by a Clinical Aberrometer—the Complete Ophthalmic Analysis System (COAS)*. Ft. Rucker, AL: United States Army Aeromedical Research Laboratory. USAARL Report No. 2006-10.
- 7) Horner, D.G., Salmon, T.O. and Soni, P.S. (2006) *Chapter 17: Corneal Topography*. In: Borish, I.M. and Benjamin, W.J., eds. Borish's Clinical Refraction. Philadelphia: W.B. Saunders Company.
- 8) Salmon, T.O., van de Pol, C., (2005) *Evaluation of a clinical aberrometer for lower-order accuracy and repeatability, higher-order repeatability and instrument myopia*. Optom J Am Opt Assoc, 76, 461-472.
- 9) Salmon, T.O., (2004) *Book Review of Wavefront Customized Visual Correction*. Medical Science Books (<http://www.medicalsciencebooks.com>)
- 10) Salmon, T.O., West, R.W. , Gasser, W., and Kenmore, T. (2003) *Measurement of Refractive Errors in Young Myopes Using the COAS Shack-Hartmann Aberrometer*. Optom Vis Sci, 80, 6-14.
- 11) Thibos, L.N., Applegate, R.A., Schwiegerling, J.T., Webb, R, and VSIA Standards Taskforce Members [includes Salmon, T.]. (2003) *Standards for Reporting the Optical Aberrations of Eyes*. J Refr Surg, 18, S652-S661.
- 12) Salmon, T.O. and West, R.W. (2002) *Optical Wavefront Sensing of the Human Eye*, in Pandalai, S.G. Ed. Chapter in Research Signpost - Recent Research Developments in Optics. Fort, Trivandrum, India, 183-214.
- 13) Salmon, T.O. and Thibos, L.N. (2002) *Videokeratoscope—Line-of-Sight Misalignment and Its Effect on Measurements of Corneal and Internal Aberrations*. J Opt Soc Am - A, 19, 657-669.
- 14) Salmon, T.O., Rash, E., Mora, J. and Reynolds, B. (2002) *Detecting Corneal Anomalies in Potential Army Aviators*, U.S. Army Med. Dep. J., Jan-Mar issue.
- 15) Salmon, T.O., van de Pol, C. and Jones, N.S. (2000) *OBSCAN Accuracy in Measuring Corneal Surface Elevation*. Ft. Rucker, AL: United States Army Aeromedical Research Laboratory. USAARL Report No. 2000-13.
- 16) Thibos, L.N., Applegate, R.A., Schwiegerling, J.T., Webb, R., and VSIA Standards Taskforce Members [includes Salmon, T.]. (2000) *Standards for Reporting the Optical Aberrations of the Eye*. In: Lakshminarayanan, V. Ed. Vision Science and Its Applications, Vol. 35. Washington, D.C., Optical Society of America, 232-244.
- 17) Applegate, R., Thibos, L., Bradley, A., Marcos, S., Roorda, A., Salmon, T. and Atchison, D. (2000) *Reference Axis Selection: A Subcommittee Report of the OSA Working Group to Establish Standards for the Measurement and Reporting of the Optical Aberration of the Eye*. In Visual Science and Its Applications, Technical Digest Series: Washington, D.C., Optical Society of America, 147-149.

- 18) Salmon, T.O. (1999) *Corneal Contribution to the Wavefront Aberration of the Eye*. Ph.D. Dissertation, Indiana University, Bloomington, Indiana, 208 pages.
- 19) Horner, D.G., Soni, P.S., Salmon, T.O., and Swartz, T.S. (1999) *Myopia Progression in Adolescent Wearers of Soft Contact Lenses vs. Spectacles*, *Optom. Vis. Sci.*, 76, 474-479.
- 20) Horner, D.G., and Salmon, T.O. (1998) *Accuracy of the EyeSys 2000 in Measuring Surface Elevation of Calibrated Aspheres*: *Intl. Cont. Lens. Clin.*, 25, 171-177.
- 21) Salmon, T.O., Thibos, L.N. and Bradley, A. (1998) *Comparison of the Eye's Wave Front Aberration Measured Psychophysically and with the Shack-Hartmann Wave Front Sensor*. *J Opt Soc Am - A.*, 15, 2457-2465.
- 22) Salmon, T.O., Rash, C.E. and Mora, J.C. (1998) *Videokeratoscope Accuracy and its Potential Use in Corneal Optics Research*. Ft. Rucker, AL: United States Army Aeromedical Research Laboratory. USAARL Report No. 98-29.
- 23) Horner, D.G., Salmon, T.O. and Soni, P.S. (1998) *Chapter 17: Corneal Topography*. In: Borish, I.M. and Benjamin, W.J., eds. Borish's Clinical Refraction. Philadelphia: W.B. Saunders Company, 524-558.
- 24) Salmon, T.O. and Thibos, L.N. (1997) *A New Single Pass Method to Measure the Eye's MTF*. In: Optics & Imaging in the Information Age Proceedings. IS&T - The Society for Imaging Science and Technology, 56-7.
- 25) Salmon, T.O. and Horner, D.G. (1996) *A New Subjective Refraction Method—the Meridional Polarized Vernier Optometer*. *J. Am. Optom. Assoc.*, 67, 599-605.
- 26) Wang, Y.Z., Thibos, L.N., Lopes, N., Salmon, T.O. and Bradley, A. (1996) *Subjective Refraction of the Peripheral Field Using Contrast Detection Acuity*. *J. Am. Optom. Assoc.*, 67, 584-589.
- 27) Salmon, T.O. and Horner, D.G. (1995) *Comparison of Elevation, Curvature and Power Descriptors for Corneal Topographic Mapping*. *Optom. Vis. Sci.*, 72, 800-808.
- 28) Salmon, T.O. (1994) *Minimizing Residual Astigmatism with Rigid Gas Permeable Lens Flexure*. *J. Japan Cont. Lens Soc.*, 35, 285-289.
- 29) Salmon, T.O. (1993) *Use Thin Flexible RGP Lenses to Correct Astigmatism*. *J. Japan Optom. Assoc.*, 11, 16-21.
- 30) Salmon, T.O. (1992). *Beneficial Flexure—Using Thin RGPs to Correct Residual Astigmatism*. *Cont. Lens Spectrum*, 7, 39-42.
- 31) Kikkawa, Y. and Salmon, T.O. (1990) *Advantages of the Alignment Fit*. *J. Japan Cont. Lens Soc.*, 32, 290-299.
- 32) Kikkawa, Y. and Salmon, T.O. (1990) *Rigid Lens Tear Exchange and the Tear Mucous Layer*. *Cont. Lens Forum*, 1990: Dec., 17-24.
- 33) Salmon, T.O. (1990) *CLs in the Land of the Rising Sun*. *Cont. Lens Forum*. 1990: Jul., 57-58.

- 34) Salmon, T.O. (1984) *Keratoconus Case Report*. J. Japan Optom.Assoc., 2, 31-41.

### SCIENTIFIC PRESENTATIONS & INVITED LECTURES

- 1) Salmon, T.O. (10/7/09) Basic Aberrometry in Straightforward Plain Language. Indiana Optometric Association Fall Seminar, 2-hour continuing education lecture, Bloomington, Indiana.
- 2) Salmon, T.O., Uno, N. (7/11/09) 波面センサーを利用した1日使い捨てソフトコンタクトレンズの濡れ性の評価 (Use of aberrometry to evaluate wetting of 1-day disposable soft contact lenses). Japan Contact Lens Society, Osaka, Japan.
- 3) Salmon, T.O., Yamada, S. (5/7/09) *Objective Evaluation of Surface Drying/Wetting in Two Daily-Disposable Contact Lenses Using Aberrometry*. Association for Research in Vision and Ophthalmology (ARVO), Ft. Lauderdale, FL.
- 4) Berger, J.S., Head, K.R., Salmon, T.O. (11/14/2008) *Effect of Artificial Tears on Aberrations of the Human Eye*. Oklahoma Research Day poster, Broken Arrow, OK.
- 5) Salmon, T.O. (10/23/08) *Basic Aberrometry in Straightforward plain language*. American Academy of Optometry annual meeting, continuing education 2-hour lecture. Anaheim, CA.
- 6) Salmon, T.O. (7/8 & 9/08). 臨床判断 (Clinical Decision Making). Keynote lecture for the Japan Optometric Association 30th anniversary seminar. Nagoya, Japan. 3-hour lecture presented in Japanese on both days.
- 7) Salmon, T.O. and Catania L.J. (10/25/07) *Aberrometry—the Basics and Clinical Applications*. American Academy of Optometry annual meeting, continuing education 2-hour lecture. Tampa, FL.
- 8) Salmon, T.O. and van de Pol, C. (2007) *The Oklahoma Database—Higher-order Aberrations of Normal Eyes*. Oklahoma Research Day, Edmond, OK.
- 9) Salmon, T.O. and Cleland, J. (2007) *Evaluation of the Nidek OPD aberrometer*. Oklahoma Research Day, Edmond, OK.
- 10) McDaniels, C.M. and Salmon, T.O. (2007) *Effects of Blood Glucose on Ocular Aberrations*. Oklahoma Research Day, Edmond, OK.
- 11) Salmon, T.O. and Cleland, J. (2006) *Comparison of COAS and OPD Scan Aberrometers*. American Academy of Optometry annual scientific meeting, Denver, CO.
- 12) McDaniels, C.M. and Salmon, T.O. (2006) *Effects of Blood Glucose Levels on Ocular Aberrations*. American Academy of Optometry annual scientific meeting, Denver, CO.
- 13) Salmon, T.O. (3/4/06) *Wavefronts, Zernikes, and RMS—the Basics in Plain Language*, 4-State Area Symposium, Northeastern State University Oklahoma College of Optometry Continuing Education.

- 14) Salmon, T.O. (9/2/2005) *Overview of Color Vision*. 2-hour lecture to NSU Art 1253, Prof Jim Terrell, Tahlequah, OK.
- 15) Salmon, T.O. and van de Pol, C. (2005) *Wavefront values for normal eyes—consensus of the major studies*. American Academy of Optometry annual scientific meeting, San Diego, CA.
- 16) Salmon, T.O. and van de Pol, C. (2005) *Developing standards for higher-order aberrations of the eye*. Oklahoma Research Day, Edmond, OK.
- 17) Salmon, T.O. (2005) *Aberrations of the Eye—What’s normal?* USAARL Research Seminar series, US Army Aeromedical Research Laboratory, Ft. Rucker, AL.
- 18) Salmon, T.O. (2005) *Comparison of Zernike Coefficients across Major Published Studies*. Ophthalmology seminar series, Kitasato University Medical School, Sagamihara, Japan.
- 19) Salmon, T.O. and van de Pol, C. (2004) *Zernike Coefficient Norms—Comparison of Studies*. American Academy of Optometry Symposium on Optics and Refraction, Tampa, FL.
- 20) Kedzuff, L., Pitt, T. and Salmon, T.O. (2004) *Spherical Aberration Correcting Contact Lens: Correction Consistency*. American Academy of Optometry Annual Scientific Meeting, Tampa, FL.
- 21) Salmon, T.O. and van de Pol, C. (2004) *Aberrometer Measurements of the Human Eye—What’s normal?* Oklahoma Research Day, Edmond, OK.
- 22) Salmon, T.O. (2004) *Wavefront Sensing for the Practicing OD*, American Academy of Optometry ’04 Global-Pacific Rim meeting, invited lecture, Honolulu, Hawaii.
- 23) Salmon, T.O. (2004) *Aberrations, Wavefront Sensors and Eye Care*, symposium speaker in The Role of Technology in Optometric Practice, American Academy of Optometry ’04 Global-Pacific Rim meeting, Honolulu, Hawaii.
- 24) Salmon, T.O. and van de Pol, C. (2003) *Normative Higher-Order Aberration Values for a Population of Army Aviators*. American Academy of Optometry Annual Scientific Meeting, Dallas, TX.
- 25) Salmon, T.O. and West, R.W. (2003) *Interpretation of Wavefront Axis*. American Academy of Optometry Annual Scientific Meeting, Dallas, TX.
- 26) Salmon, T.O. (2003) *A Primer on Wavefront Analysis for Refractive Surgery and Other Ophthalmic Applications*. Pacific University College of Optometry on-line continuing education course. (<http://www.opt.pacificu.edu/ce/catalog/>)
- 27) Salmon, T.O. and West, R.W. (2003) *Clinical Interpretation of the Wavefront “Axis” for Higher-Order Ocular Aberrations*. Research Day for Regional Universities, Edmond, OK.

- 28) Salmon, T.O. and van de Pol, C. (2003) *Higher-Order Optical Aberrations Found in the Eyes of Army Helicopter Pilots*. Research Day for Regional Universities, Edmond, OK.
- 29) Salmon, T.O. (2003) *Wavefront Sensing for the Practicing Optometrist*. Nebraska Optometric Association annual convention, invited lecture, Kearney, Nebraska.
- 30) Salmon, T.O. (2003) *Back to the Future in Vision—Beyond 20/20*. Nebraska Optometric Association annual convention, invited lecture, Kearney, Nebraska.
- 31) Salmon, T.O. and Cheatham, B. (2002) *Contrast Sensitivity with Simulated Supernormal Vision*. American Academy of Optometry Annual Scientific Meeting, San Diego, CA.
- 32) Salmon, T.O. and Shields, G.S. (2002) *Aberrometry to Support Clinical Management of Reduced Vision Following LASIK*. American Academy of Optometry Annual Scientific Meeting, San Diego, CA.
- 33) Huffman, K.D., Ross, S., Pack, L. and Salmon, T.O. (2002) *Visual and Optical Performance of Frequency 55 Aspheric versus Spheric Contact Lenses*. American Academy of Optometry Annual Scientific Meeting, San Diego, CA.
- 34) Salmon, T.O. and Shields, G.S. (2002) *New Instrumentation to Diagnose Complex Optical Aberrations Following LASIK*. Research Day for Regional Universities, Edmond OK.
- 35) Salmon, T.O. (2002) *Wavefront Sensing in Plain Language*. LASIK Management Course invited lecture, Tulsa, OK.
- 36) Salmon, T.O. (2002) *Wavefront Sensing in Plain Language*. Four-State Area Symposium invited lecture, Tahlequah, OK.
- 37) Salmon, T.O., West, R., Gasser, W., and Kenmore, T. (2002) *Accuracy, Repeatability And Instrument Myopia With The Coas Shack-Hartmann Aberrometer*. 3rd Annual International Congress on Wavefront Sensing and Aberration-Free Refractive Correction, Interlaken, Switzerland.
- 38) Salmon, T.O., West, R., Kenmore, T., and Gasser, W. (2001) *Evaluation of the COAS Shack-Hartmann Aberrometer as an Autorefractor*. American Academy of Optometry Annual Scientific Meeting, Philadelphia, PA.
- 39) Salmon, T.O., and Thibos, L.N. (2001) *Errors in Corneal and Internal Aberration Measurements Caused by Videokeratoscope-Shack-Hartmann Aberrometer Misalignment*. American Academy of Optometry Annual Scientific Meeting, Philadelphia, PA.
- 40) Salmon, T.O., and Cheatham, B. (2001) *Magnitude of Visual Improvement Expected with Supernormal Optics*. Research Day for Regional Universities, Edmond OK.
- 41) Salmon, T.O., West, R., Kenmore, T., Gasser, W. (2001) *Accuracy of the New COAS Shack-Hartmann Aberrometer*. Research Day for Regional Universities, Edmond, OK

- 42) Salmon, T.O., and Thibos, L.N. (2001) *Videokeratoscope-Aberrometer Misalignment Causes Errors in Wavefront Analysis of the Human Eye*. Research Day for Regional Universities, Edmond OK.
- 43) Salmon, T.O. (2001) *Wavefronts and Zernike Polynomials*. Laser Vision Certification Course invited lecture, Tulsa, OK.
- 44) van de Pol, C., and Salmon, T.O. (2001) *Repeatability of Orbscan II Pachymetry Measures*. Association for Research in Ophthalmology and Vision, Ft. Lauderdale, FL.
- 45) Salmon, T.O. (2001) *Optical Wavefront Sensing in Optometry Today*. Northeastern State University Science & Technology Lecture Series invited lecture, Tahlequah, OK. Lecture.
- 46) Salmon, T. (2000) *Shack-Hartmann Wavefront Sensing*. American Academy of Optometry Annual Research Symposium invited lecture, Orlando, FL.
- 47) Salmon, T.O., and West, R.W. (2000) *The Effect of Ocular Opacities on the Retinal Image*. American Academy of Optometry Annual Scientific Meeting, Orlando. FL.
- 48) Toelkes, S., Buset, N., and Salmon, T.O. (2000) *Ocular Dominance: A Comparison of Tests*. American Academy of Optometry Annual Scientific Meeting, Orlando, FL.
- 49) Salmon, T.O., and West, R.W. (2000) *The Effect of Ocular Opacities on the Retinal Image*. Research Day for Regional Universities, Edmond, OK.
- 50) Salmon, T.O., and van de Pol, C. (2000) *Orbscan Accuracy In Measuring Corneal Surface Elevation*. Research Day for Regional Universities, Edmond, OK.
- 51) Salmon, T.O., and van de Pol, C. (1999) *Orbscan Accuracy In Measuring Corneal Surface Elevation*. American Academy of Optometry Annual Scientific Meeting, Seattle, WA.
- 52) Hatfield, L., Tran, L., Salmon, T.O., and Schifanella, L.L., (1999) *Post-LASIK Visual Performance In Low Light*. American Academy of Optometry Annual Scientific Meeting, Seattle, WA. Also featured by Contact Lens Spectrum at their web site: [www.clspectrum.com/posters/2000/April/abstract.asp](http://www.clspectrum.com/posters/2000/April/abstract.asp)
- 53) Salmon, T.O. (1999) *Corneal Contribution to the Wavefront Aberration of the Eye*. Indiana University School of Optometry Oxyopia Lecture Series, Bloomington, IN.
- 54) Salmon, T.O., and Thibos, L.N. (1998) *Relative Contribution of the Cornea and Internal Optics to the Aberrations of the Eye*. American Academy of Optometry Annual Scientific Meeting, San Francisco, CA.
- 55) Salmon, T.O., and Thibos, L.N. (1998) *The Wavefront Aberration Function of Normal Human Corneas*. American Academy of Optometry Annual Scientific Meeting, San Francisco, CA.

- 56) Salmon, T.O., and Thibos, L.N. (1998) *Relative balance of corneal and internal aberrations in the human eye*. Optical Society of America Annual Meeting, Baltimore, MD.
- 57) Salmon, T.O., Thibos, L.N., and Bradley, A. (1997) *Comparison of wavefront aberration functions measured by the Hartmann-Shack sensor and a psychophysical method for the same eyes*. American Academy of Optometry Annual Scientific Meeting, San Antonio, TX.
- 58) Salmon, T.O., and Thibos, L.N. (1997) *Eyesys Accuracy in Surface Elevation Measurement and Estimation of the Corneal Wavefront Aberration Function*. American Academy of Optometry Annual Scientific Meeting, San Antonio, TX.
- 59) Salmon, T.O., Thibos, L.N., and Bradley, A. (1997) *Hartmann-Shack Sensor Accuracy and Precision in Measuring Aberrations of the Eye*. Optical Society of America Annual Meeting, Long Beach, CA.
- 60) Salmon, T.O. (1997) *Beyond Corneal Topography—Corneal Optics*. NSU College of Optometry continuing education program, Wagoner, Oklahoma.
- 61) Salmon, T.O. and Thibos, L.N. (1996) *A New Single Pass Method to Measure the Eye's MTF*. Optical Society of America Annual Meeting, Rochester, NY.
- 62) Horner, D.G., Soni, P.S., Salmon, T.O. and Schroeder, T.L. (1996) *Junior High Age Children's Myopia Progression in Soft Lenses vs. Spectacles*. Association for Research in Vision and Ophthalmology (ARVO), Ft. Lauderdale, FL.
- 63) Horner, D.G. and Salmon, T.O. (1995). *Junior High Age Children's Myopia Progression in Soft Lenses vs. Spectacles*. Optometry Annual Scientific Meeting, New Orleans, LA.
- 64) Horner, D.G., Salmon, T.O., and Soni, P.S. (1994) *Junior High Age Children's Myopia Progression in Soft Lenses vs. Spectacles*. Optometry Annual Scientific Meeting, San Diego, CA.
- 65) Horner, D.G., Salmon, T.O., Moen L.J., and Taylor, L.K. (1994) *Can Residual Astigmatism Account for the Variation in Corrected Acuties in Patients Wearing Soft Toric Lenses?* Optometry Annual Scientific Meeting, San Diego, CA.
- 66) Salmon, T.O. and Horner, D.G. (1993) *A New Approach To Refraction: The Meridional Polarized Vernier Optometer*. Optometry Annual Scientific Meeting, Boston, MA.
- 67) Salmon, T.O. (1991) *Predicting Residual Astigmatism In RGP Contact Lenses*. Optometry Annual Scientific Meeting, Anaheim, CA.
- 68) Salmon, T.O. (1984) *Review of Keratoconus and Case Example*. Japan Optometric Association annual meeting continuing education lecture, Nagoya, Japan.

#### **OTHER SCHOLARLY OR NSU-RELATED CREATIVE WORKS**

I write monthly newsletters for CooperVision Japan with original articles, in Japanese, on contact lens related clinical science. June 2007 to present.

([www.coopervision.jp/professional/material/salmon.html](http://www.coopervision.jp/professional/material/salmon.html))

I also manage a team of linguists who translate the weekly online newsletter, *Contact Lens Today* (<http://www.coopervision.jp/professional/clt/>) into Japanese for the CooperVision Japan web site. February 2009-present.

DVD programs created for NSU organizations

- Nippon 2008 – The entire show
- Nippon 2007 – Highlights of JNSU's annual spring cultural event
- NSU Women's Soccer – The 2005 Season
- NSU Men's Soccer – The 2004 Season

NSU-related videos posted to YouTube

- JNSU's Soran Bushi from Nippon 2008 (<http://www.youtube.com/watch?v=qpfkr741HuY>)
- Chorus from JNSU's Nippon 2008 (<http://www.youtube.com/watch?v=c11mpKojPnA>)
- Getap from JNSU's Nippon 2008 (<http://www.youtube.com/watch?v=Q2KTOIUHikQ>)
- Celsior Show, Dance 1 – Opening (<http://www.youtube.com/watch?v=ljvJVrPU2sw>)
- Celsior Show, Dance 2 – M&M's World (<http://www.youtube.com/watch?v=tBf9qcXmwvU>)
- Celsior Show, Dance 3 – Girl's World ([http://www.youtube.com/watch?v=RcmO8TT\\_flk](http://www.youtube.com/watch?v=RcmO8TT_flk))
- Celsior Show, Dance 4 – Lock'n (<http://www.youtube.com/watch?v=40yJdCYimLE>)
- Celsior Show, Dance 5 – So Random (<http://www.youtube.com/watch?v=TD-sBQFzm9o>)
- Celsior Show, Dance 7 – NSU's Best (<http://www.youtube.com/watch?v=-GFTauUOook>)
- Celsior Show, Dance 8 – Closing (<http://www.youtube.com/watch?v=PIIIDponwis>)