

## CURRICULUM VITAE of EDWARD JAMES WESLY

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### **EDUCATIONAL BACKGROUND:**

University of Illinois at Urbana, Bachelor's of Science Degree in the Teaching of Mathematics, January 1976.

National-Louis University, Chicago, IL, Master of Education in Technology in Education, June 2011.

### **TEACHING EXPERIENCE:**

*Faculty*, teaching The Physics of Light, History of Photographic Imaging, Technical Foundation, Introduction to Digital Photography and Workflow, and College Math classes at Harrington College of Design, Chicago IL, Full-time January 2005 to August 2013, Adjunct January 2014 to present.

*Adjunct Faculty*, teaching the Introduction to Mathematics class, January 2015 to March 2015, at Tribeca Flashpoint Academy.

*Adjunct Assistant Professor*, teaching a variety of classes in the Art and Technology and Liberal Arts Departments at the School of the Art Institute of Chicago, including the Beginning and Intermediate/Advanced Holography Studio, Optics for Artists, Electricity & Magnetism, 3-D Hard Copy, and The Physics of Everyday Objects, January 1986 to May 2010.

*Instructor*, Columbia College, Chicago, for the courses, "The Physics of Lasers, Holograms, and Modern Optics", "Photographic Theory/Laboratory Practice for Cinematographers", and "Imaging Optics", February 1985 to June 1997.

*Teacher*, Cicero School, Cicero, IL, 7th and 8th grade Math Classes, September 1981 to June 1982.

*Director of Education* for the Fine Arts Research and Holographic Center, Chicago, IL, June 1980 to May 1981.

*Teacher*, Hardey Preparatory School, Chicago, 6th, 7th, and 8th grade Math Classes, September 1977 to June 1980.

*Instructor*, District 214 Continuing Education Program, Arlington Heights, IL, Photography classes.

### **TECHNICAL EXPERIENCE:**

Revised 1-21-19

Production Holographer, CFC International, Countryside, IL, laboratory technician preparing holographic images for mass production, October 1998 to November 2004.

Sales Engineer, BEA electro-optics, Des Plaines, IL, manufacturer's representative for a variety of electro-optical companies, June 1997 to October 1998.

Research Associate at Lake Forest College, Lake Forest, IL, supported by a grant from a manufacturer of medical equipment to test the feasibility of replacing conventional optics in some of their equipment with Holographic Optical Elements, October 1987 to February 1993.

Holographic Engineer for Northwestern University, Evanston, IL, researching holographic endoscopes using Ruby laser light piped through fiber optics, May 1986 to May 1987.

Holographic Engineer for Holicon Corporation, Evanston, IL, setting up a studio to record holographic portraits using a Ruby laser, May 1986 to May 1987.

Holographer for the 15 foot Bubble Chamber at Fermilab, Batavia, IL. Part of a team using a Ruby laser to make holograms of atomic particle tracks, March 1985 to April 1986.

Optical Engineer for Magnaflux Corporation, Chicago, IL. Designed and built an 8 by 8 foot isolation table equipped with an Argon laser for real time interferometry of large objects, October 1983 to September 1984.

## **PUBLICATIONS**

Complete list of linked publications is at [edweslystudio.com/Publications/Publications.html](http://edweslystudio.com/Publications/Publications.html)

### **TEXTBOOKS (self-published):**

INSTRUCTION MANUAL FOR THE HOLOGRAPHY STUDIO AT SAIC, September 1995

OPTICS FOR ARTISTS, September 1995

PHOTOGRAPHIC THEORY/LABORATORY PRACTICE For Cinematographers,

September 1995

IMAGING OPTICS, February 1996

### **VIDEOS:**

"Ruby Laser Guts", 1996, and "Gaseous Lasers", 1996

### **SELECTED ARTICLES:**

"Quantitative Measurement of Holographic Image Quality Using Adobe Photoshop", Proceedings of the Ninth International Symposium on Display Holography, MIT, 2013.

"Inside-Out Engineering: Characterizing the Holographic Stereogram Printer at The School of the Art Institute of Chicago", Proceedings of the SPIE, 1997.

"A Toast to Nick Phillips", Leonardo, Volume X, Number 3, 1992.

"A Proposal for a National Space Monument", Proceedings of the SPIE, Vol. 1600, 1991.

"Holography of Particle Tracks in the Fermilab 15-Foot Bubble Chamber," with W. Smart et al., Nuclear Instruments and Methods in Physics Research A297, 1990, p.364-389.

"Teaching Holography in an Art School Environment," Proceedings of the SPIE, Vol. 1396, 1990.

"Progress in True Color Holography", with T. Jeong, Proceedings of the SPIE, Vol. 1211, 1990.

"Recycling Holographic Plates", Proceedings of the Third International Symposium on Display Holography, Lake Forest College, 1988.

"Exploring Personal Holography", Darkroom and Creative Camera Techniques, Nov/Dec. 1986.

"Seven Single Beam Projects", Proceedings of the Second International Symposium on Display Holography, Lake Forest College, 1985.

Technical Editor for holosphere, the Advocate of Holographic Art, Science, and Technology, 1985 to 1991.