

## **R. LARRY MEDLIN**

Professor Emeritus

### **EDUCATION**

Post-graduate studies, Univ. of Stuttgart, Germany, 1965-67

M. Architecture, Univ. of California Berkeley, 1966

B. Architecture, Cum Laude, Univ. of Florida, 1962

### **ACADEMIC EXPERIENCE**

Professor Emeritus, School of Architecture, University of Arizona, 2011-present

Professor, School of Architecture, University of Arizona, 1981-2011, Director, School of Architecture, University of Arizona, Fall 2006-Spring 2008, Acting Director, School of Architecture, Fall 2004

Associate Professor, School of Architecture, University of Arizona, 1976-1981

Assistant Professor, School of Architecture, University of Arizona, 1973-1976

Assistant Professor & Director, Lightweight Construction Center, Washington Univ., St. Louis 1968-1973

Visiting Professor, Washington Univ., and Southern Illinois Univ. 1967-1968

Instructor/Research Associate, Univ. of Stuttgart, Germany, 1965-1967

Instructor, Univ. of Miami, 1963-1964

### **AWARDS AND HONORS**

CALA Darryl B. Dobras Award for Excellence in Teaching and Service, Spring 2006.

Sonoran Institute's Building from the Best awards—Green Building Award, Edith Ball Adaptive Recreation Center, Burns Wald-Hopkins Architects, Larry Medlin, Tension Structure Consultant, 2006.

Department of Energy "Sun Wall" Design Competition, First Place Student/Academic Entries, Collaboration with Sam Batchelor and Marc Kelley, Yale University and James Batchelor, Arrowstreet, Cambridge, MA, 2000.

German Pavilion Expo '67 Montreal – Frei Otto, Rolf Gutbrod, Herman Kiess, Herman Kendel and Larry Medlin, Architects, selected by editors of Fabric Architecture for a series of articles on "the Twentieth Century's Best", 1999.

### **PUBLICATIONS**

"Fabric Structures—Environmentally Appropriate Uses of Energy and Materials", presented Oct. 26, 2005 at the Industrial Fabrics Association International-Fabric structures 2005 in San Antonio. Paper published in the Conference Proceedings.

"Sustainable Design Utilization of Fabric Structures in Arid Environments". Article published in Fabric Architecture" January/February 2004, p. 24-29, based on "Utilization of Fabric Structures in Arid Environments," presented September 30, 2003 at the Industrial Fabrics Association International – Fabric Structures 2003 in Las Vegas, Paper published in the Conference Proceedings.

"Appropriate technology for measuring night blindness: the Night Vision Threshold Test and a portable dark room," Douglas Taren, Larry Medlin, and Brent Campbell, University of Arizona, Tucson, Arizona, USA; Dr. Kamal and Dr. Narayani Shrestha from Kathmandu, Nepal; Sight and Life Newsletter, Basel, Switzerland, 2001.

"Fabric Structures and the Environment", Fabric Architecture, May-June, 2000.

"A Master Builder – Larry Medlin reviews Frei Otto's 1972 "Munich Olympic Pavilion", Fabric Architecture, July-August, 1999.

"A Master's Legacy – Evolution of the West German Pavilion at Expo '67 in Montreal", Fabric Architecture, March-April, 1999.

### **LECTURES AND CONFERENCE PARTICIPATION**

"The Urban Solar Oasis Concept" paper included in proceedings and presented in a Workshop on Intelligent Systems at the International Union of Architects – XXI World Congress of Architecture in Berlin on Wednesday, July 24, 2002.

"Fabric Structures and the Environment," Spring 2001 Lecture Series, School of Architecture and Design, Philadelphia University, June 15, 2001.

"Passive Solar Design in the Sonoran Desert and An Introduction of Civano, the Tucson Solar Village," Lecture and Chapter in Report – Sustainable African Energy Institute, Co-sponsored by the U.S. Department of Energy and the University of Arizona Oct. 1-7, 2000, Tucson, Amadou Thiam, Editor, 2001, p. 300-314.

"Thoughts and Ideas for Integrating Sustainability into Architectural Curriculums," remarks in proceedings of the Global Possibilities Second Annual Symposium for a Solar Future – Re-thinking Design Curriculum; Integrating Solar Energy for a Sustainable Future, New York, Oct. 22-23, 1998.

## **EXHIBITIONS**

Included in Exhibition at Technical University of Munich Architecture Museum on for Frei Otto's 80<sup>th</sup> birthday, May, 2005.  
XX1 World Congress of Architecture Exhibition in Berlin, July 2002 at the International Congress Centre Berlin two posters on "The Urban Solar Oasis Concept" and "The Rio Nuevo Design Studio—Tucson, Arizona."  
Grand Canyon West Visitor Facility/Hualapai Nation, Arizona, Richard Fe Tom, Architect, Larry Medlin, Tension Structure Design, "Sonoran Design of its Time and Place," By Civitas Sonoran at the Tucson Museum of Art, March, 2000.  
Tucson and Phoenix Solar Oasis Projects included in "Sonoran Design of its Time and Place," Tucson Museum of Art, 1999.  
Grand Canyon West Visitor Faculty included in "Abject Lands: Personal Horizons" by UA and the University of Western Australia at UWA Perth, 1997 and at the Joseph Gross Gallery UA, 1998.

## **RESEARCH & CREATIVE ACTIVITIES**

UA Solar Decathlon Project seed(POD), Larry Medlin P.I. 10% time with J. Vollen, D. Clifford, M. Gindlesparger, C. Domin, A. Malo, SOA, and J. Simmons, Material Science and Engineering. Selected by U.S. Dept. of Energy for development and installation on US National Mall in Washington, D.C., October 2009, 2007-2011.  
Civano Demonstration Project. Drachman Institute, Admin. C. Poster and M. Robinson; Research Faculty/Staff—N. Chalfoun, L. Medlin, R. Brittain, V. Little; Design & construction Faculty—M. Hardin, J. Folan, D. Eribes; Project coord. staff L. Carr, S. Smith. Grant \$233,999.00 from the City of Tucson. Approx. 5% of work, 2005-2007.  
Night Vision Threshold Test to Assess Night Blindness (in portable tent structure), D. Taren, P.I. – Assoc. Prof. Of Public Health, B. Duncan, Co-P.I.—Prof. Of Pediatrics and Public Health; J. Greivenkamp, Inv.—Prof. Of Optical Sciences and Ophthalmology, L. Canfield—Inv.—Professor College of Medicine, L. Medlin, Inv., Professor of Architecture, Kamal Shrestha, Consultant—Nepal, N. Shrestua,—Nepal, Grant \$263,773 from the US Department of Health and Human Services; 2000; New Grant of \$25,000 from F. Hoffman—La Roche Ltd.-Task Force SITE and LIFE, Basel Switzerland for Portable Darkroom Structure, Development, 2001-2002.

## **ACADEMIC, PROFESSIONAL, & PUBLIC SERVICE**

CALA Faculty Status Committee, 2008–2011.  
Chair, Faculty Status Committee (Fall 1999 thru Spring 2006, member since 1995).  
Chair, Faculty Search Committee, 2000-2001 and 2005-2006 and Director Search Comm. ittee, 1997-1998.  
Juror, Fabric Architecture Student Design Challenge International Competition, 2001.  
Chair, Graduate Committee (1999-2000, member since 1995).  
UA Campus Sustainability Advisory Group, 2007-present.  
During service as SOA Director (Fall 2004 and Fall 2006-Spring 2008) member most SOA and CALA Committees.  
Member, Governor's Arizona Solar Energy Advisory Council, 2006-2011.  
UA Parking and Transportation Committee (past Chair, advisor 1995-2011)  
Member, Scottish Rite/UA Child Language Center Advisory Board (1999-2005)  
Member, West University Historic District Advisory Board, 1991-1999.  
Member, Arizona Solar Energy Association Board, 1996-2001.  
Member, International Advisory Group for the Institute for Lightweight Structures, University of Stuttgart (1993-present).

## **PROFESSIONAL MEMBERSHIPS**

American Institute of Architects

## **LICENSES & PRACTICE**

Architect-Arizona (Previous-Missouri, West Germany), Work in collaboration with Richard Larry Medlin, Architect.  
Tension structure consultant to Poster Frost Associates for the Flowing Wells Community Center, 2005-2007.  
Tension structure consultant to Ellermann & Schick Architecture/Planning and Westcor Development Partners, Phoenix for tensile structures and cool towers at the Yuma Palms Regional Center Project, 2003-2005.  
Tension Structure Consultant to Burns and Wald-Hopkins Architects for Reid Park Zoo Entry Concept Design and Adaptive Recreation Center Design, City of Tucson/Parks and Recreation Department, 2001-2002.  
On site Consultant for Prototype Canopies for Shrimp Ponds at the Seawater Farm, Massawa, E rithea, East Africa, 2000.  
Architect for Civano Nursery and Education Center, Tucson, 1996-1999 and Satori School, Tucson, 1997-1998.