

**Paul G. Bakalis, AIA, NCARB, Cal OES, ALEP, CSBA**  
**Augspurger Komm Engineering, Inc.**  
**3315 E Wier Avenue**  
**Phoenix, AZ 85040**  
**602-443-1060**  
**602-443-1074 fax**  
**www.akeinc.com**

## **EDUCATION**

B.A. in Architecture, University of New Mexico, 1977  
Accredited Learning Environment Planner, San Diego State University (graduation June, 2020)

## **EXPERIENCE**

Mr. Bakalis has over 40+ years of experience in building and site architecture, engineering, and construction.

His experience is applied to building and system assessments, forensic investigations and causations, analysis of human factors, construction means and methods, site/building safety and risk mitigation plans, and sequence and schedule of workforce and materials.

Projects include public and private facilities in healthcare, higher education, life sciences, technology, industrial/manufacturing, public assembly, commercial, and residential.

## **PROFESSIONAL REGISTRATION**

Accredited Learning Environmental Planner (ALEP) San Diego State University/A4LE 2020  
Certified Sustainable Building Advisor (CSBA) 2011  
Certified Energy Manager (coursework completed)  
National Council of Architectural Registration Boards (NCARB) # 32491  
*With reciprocity through NCARB to practice in all 50 contiguous United States*  
State of California, Architectural License #19559  
State of Arizona, Architectural License #29190  
State of Michigan, Architectural License #1301028698  
OSHA 10 and 30 Certified #600021016  
CPR and First Aid Trained

## **PROFESSIONAL AFFILIATIONS**

Member, American Institute of Architects #30019404  
Member, Sonoran Sustainability Building Advisor Program  
Entrepreneur in Residence; ASU, Sky Song Technopolis  
Past Member, Society for College and University Planners (SCUP)  
Past Board Member, Greater Phoenix Economic Council  
Past Board Member; Phoenix Community Alliance  
Past Member, UA Medical School Advisory Committee  
Past Member, Association of Energy Engineers  
Past Member and Business Coach, New Century for Collaboration  
Past Member, Arizona Small Business Association  
Past Member, American Society of Healthcare Engineers #8111641  
Past Member, Human Factors and Ergonomic Society

## **PRESENTATIONS**

Presenter; K12 Forum, "Effective Capital Management", November, 2019  
Presenter; SXSW EDU, "Designing Engaging Learning Environments", March, 2019  
Presenter; K12 Forum, "Effective Project Delivery Methods", November, 2017  
Presenter; AASBO, "Partner and Advocate, Never Adversary", April, 2017  
Presenter; BD Build, "Two Sides of the Coin", Operations and Business Development, April, 2016  
Presenter; SCUP, "Creating Interdisciplinary, Collaborative Learning Environments", January, 2016  
Presenter; Accredited CLE, "Human Factors, Perception, Expectation, Accommodation  
Keynote Speaker; "Winning Customers for Life", Turner West Regional Sales Conference  
Phoenix Business Journal CEO of the Year Honoree, [https://youtu.be/vJzZ2XkN\\_c](https://youtu.be/vJzZ2XkN_c)  
Arizona School Facilities Board responds to criticism, [https://youtu.be/hhz3vL\\_ErCo?list=PLEIxxwLYv1-fo1GD9FSF4v670vOIrtYPQe](https://youtu.be/hhz3vL_ErCo?list=PLEIxxwLYv1-fo1GD9FSF4v670vOIrtYPQe)  
K12 Forum November 2019, <https://youtu.be/zA2ObKImfU0?list=PLEIxxwLYv1-fo1GD9FSF4v670vOIrtYPQe>  
SFB Presents Success Stories to Governor Ducey, <https://youtu.be/N5hmLriJ6c8>

## **CONTINUING EDUCATION**

Harmonizing Spaces, July 30, 2024  
Designing Code Compliant Glass Doors and Entrance Systems, July 18, 2024  
Getting Hospitable with Mass Timber, July 17, 2024  
Giving Elevators a Lift, May 14, 2024  
Designing with Purpose: The Sustainable Advantage of High Pressure Laminate Surfaces, May 9 2024  
Curtain Wall Design for Longevity, April 24, 2024  
Designing Smarter Places of Learning, April 10, 2024  
How Instant-Setting Cold Fluid Applied Waterproofing Systems Solve Problems, April 10, 2024  
L&L: Considerations for Accessible and Inclusive Design in Commercial Restrooms, January 25, 2024  
Safety Assessment Program (SAP), Evaluator Training 2024, June 26-27 2024  
Retrofits, Adaptive Reuse, & Additions: Complete Systems Driving Performance, October 27 2022  
Designing for Sustainability in Division 8: Architectural Aluminum Framing, September 15 2022  
Micro-Hospitals: Healthcare for the Community, June 15 2022  
Building a Respectful and Harassment-Free Workplace Culture, January 21 2019  
Seven Pillars of Highly Successful AE Firms, April 21, 2023  
Welcome to the BASF Sustainable Construction Learning Summit, April 20, 2023  
Advances in Sustainability with Spray Polyurethane Foam, April 20, 2023  
A Holistic View of Carbon in the Built Environment, April 20, 2023  
Scope Creep Identifying and Reducing this Huge Project Management Pitfall, February 28, 2023  
Smart Locks Access Management Made Easy!, February 23, 2023  
Single-Skin Metal Panels + LEED Standards and Certifications, December 15, 2022  
Bldg. Air Leakage and Effects on the Building Envelope, November 29, 2022  
TREMCO Roof Preservation A sustainable Option, October 27, 2022  
Innovative Modular Construction for Reducing Waste, Cost, and Delivery Time, October 20, 2022  
Mass Timber in Housing Aesthetics, Affordability & Sustainability, October 20, 2022  
American Wood Council GB710 Mass Timber in Housing Aesthetics, Affordability & Sustainability, October 20, 2022  
Continuous Insulation vs. Cavity Insulation, October 13, 2022  
Innovative Solutions for Architectural Challenges, September 26, 2022  
Tremco Maintaining Envelope Integrity, September 22, 2022  
Micro-Hospitals-Healthcare for the Community, June 22, 2022

**CONTINUING EDUCATION – Con't**

Improving Community Resilience with Resilient Water Management Strategies, June 8, 2022  
Eliminating Concrete Moisture Through Sustainable Design, June 8, 2022  
Designing With Modern EIFS, June 8, 2022  
Green Roofs Integrating Blue and Gray Into Green, June 7, 2022  
Polyiso - The Next Generation Air & Water Resistive Barrier, June 1, 2022  
American Wood Council STD120 - 2018 NDS Changes, May 19, 2022  
Sustainable Design Through Daylighting, May 17, 2022  
Gateways to Performance Comparison, May 17, 2022  
Achieving Performance and Aesthetics w/Engineered Building Enclosure Solutions, May 17, 2022  
Specification Strategies to Eliminate Concrete Moisture, May 17, 2022  
NFPA 285 Exterior Wall Fire Testing, Design and Compliance, May 11, 2022  
Polyiso The Next Generation Air & Water Resistive Barrier, June 1, 2022  
Single Skin Metal Siding June 22, 2021  
Function and Form Cementitious Coatings, May 19, 2021  
Complete Approach to Rainscreen Design, May 18, 2021  
The Specifiers Guide to Frameless Railing Solutions, May 18, 2021  
ADA Signage Mastering the Compliance Basics, April 27, 2021  
Allegion Touchless Hardware ADA certificate of Completion, April 14, 2021  
Metal Roofing History Material and Applications, March 31, 2021  
Resinous Floor and Walls- Performance, Applications and Installation, March 24, 2021  
The Building Science of Floor Systems, November 11, 2020  
The Future of Fire-Rated Glass and Framing, October 14, 2020  
Mineral Wool IMPs: Sustainable Fire Resistance Construction, September 23, 2020  
Firestop 101: Firestop 101: A Life Safety Issue, September 15, 2020  
Operable Glass Walls for Flexible Interior Space Division June 4, 2020  
Inclusive Playgrounds: Designing Spaces to Bring Children & Communities Together, June 3, 2020  
Metal Roof Systems: Design & Installation Considerations May 21, 2020  
COVID19 Health Care Operations: Implications & Actions from COVID-19, April 14, 2020  
Improved Public Amenity, Integrated facade and safety barriers for the parking sector, February 19, 2020  
Assessment and Maintenance of the School Facility, January 19, 2020  
The ADA: Can We Get It Right After 30 Years?, June 8, 2019  
How Accessible Means of Egress Create Safe, Meaningful Space, June 7, 2019  
Managing Moisture and Thermal Performance with Continuous Insulation, April 28, 2017  
SBS Roofing Technology and Design, April 27, 2017  
Wood Treated Products by Hoover, December 12, 2016  
Integrated Drainage Systems in Tile Floors by Schlüter-Systems L.P., January 21, 2016  
Daylighting and LEED Credits by Kalwall and Structures Unlimited, December 17, 2015  
Acoustical Plaster by Fellert North America, November 12, 2015  
Sikalastic Deck Pro/Roof Pro School & Training, May 15, 2015, Phoenix, AZ  
Exploring & Applying the Seven Principles of Universal Design, October 16, 2014  
Architectural Metal in Building Design by Firestone Building Products, July 8, 2014  
Understanding the Art of Quartz by Hanwha L and C Surfaces, March 19, 2014  
Interior Design, Your Design Rights: Defining and Protecting Your Rights, August 26, 2013  
Interior Design, the Ins and Outs of Wool Felt, August 22, 2013  
Holistic Medicine: The Continuum of Outpatient Care, August 20, 2013  
Experts: Liability Issues for Expert Witnesses (TASA) Webinar, August 6, 2013  
American Disabilities Act Updates, Access Standards for Evacuation Routes, June 22, 2013  
ADA, 2013 Access Standards for Playgrounds, June 3, 2013  
ADA, 2010 ADA Standards of Accessibility Design and How they Relate to Signage, May 8, 2013

### **CONTINUING EDUCATION – Con’t**

Smalley and Associates, Waterproofing below grade structures and air barriers/waterproofing above grade structures, May 3, 2013  
The University of Arizona Medical School, Aging, Changing, and Caregiving, April 4, 2013  
High Performance Roofing Systems, Optimized Insulation, Architectural Metal Roofing & Daylighting Services, Firestone Building Products, December 6, 2012  
Construction Specifications Institute National Conference and Trade Show, September 12, 2012  
Glass, processing artistic glass wall panels for use in the human environment. March 29, 2012  
Opening and hardware requirements of the ADA, November 2, 2010

### **PUBLICATIONS**

CEO of the Year 2019 (Top 3), Phoenix Business Journal  
"New Learning Environments" 2019 Annual Report School Facilities Board  
Governor's Good Government Award, Advancing Technology to Distribute Funding Effectively  
Presenter, "Creating Interdisciplinary, Collaborative Learning Environments", SCUP Pacific Conference 2016  
"Design Firm uses Team Management" Traverse City Record Eagle  
"Fast Track to the Future", Traverse the Magazine  
Video montage of Personal Works displayed on ABC network affiliate  
Who's Who in Interior Design, Baron's Who's Who

### **BOARDS AND APPOINTMENTS**

President Emeritus, Association for Learning Environments  
Champion JEDI (Justice, Equity, Diversity, Inclusion) Association for Learning Environments  
President Emeritus; National Council for School Facilities  
Past Member, UA Medical School Advisory Committee  
Past Board Member; Phoenix Community Alliance  
Past Board Member; Greater Phoenix Economic Council  
Past Board Member; YoungLife

### **EXPERIENCE HISTORY**

2012 -	Augspurger Komm Engineering	Senior Forensic Architect
2008-	Proteus West, LLC; Architecture and Engineering	Principle
2016-2020	Arizona School Facilities Board; K12 Capital Funding	Executive Director
2007-2008	Carter Burgess; Architecture and Engineering	Group Manager
2004-2007	Gilbane Building Company; Construction Management	Project Executive
2001-2004	Turner Construction; Construction Management	Project Executive
2000-2001	Carlson Technology; Design Build Operate	Project Executive
1996-2000	SmithGroup; Architecture and Engineering	Sector Leader
1990-1996	Giffels Associates, Inc.; Architecture and Engineering	Vice President/Stockholder
1985-1990	Blount Engineering, Inc.; Architecture and Engineering	Project Executive
1979-1985	Designworks; Architecture and Interior Design	Principle
1977-1979	DFC Architecture; Architecture and Interior Design	Design Principle

## **PRODUCT HISTORY**

- Healthcare
  - Net-Zero Energy Medical Mixed-Use Development Phoenix, AZ
  - Arizona Department of Administration Forensic Hospital Phoenix, AZ
  - Pima County Kino Community Hospital, Psychiatric Hospital and Crisis Recovery Center Tucson, AZ
  - North Peoria Ambulatory Care Center North Peoria, Arizona
  - IASIS Healthcare. St. Luke's Medical Center Medical Office Building Phoenix, Arizona
  - Scripps Healthcare Southern California
  - Emergency Consultants Urgent Care Traverse City, MI
  
- Education
  - SK-12 Nogales USD Roofing/Wall water intrusion Assessments, Nogales, AZ
  - 9-12 AquaFria USD Mechanical System Upgrades, Structural Reinforcement and Roofing Assessment, Peoria, AZ
  - Net-Zero Energy Student Housing Project Phoenix, AZ
  - Northern Arizona University, Gateway Student Success Center Flagstaff, AZ
  - Arizona State University, Student Union Mesa, AZ
  - Arizona State University, Gateway Center Tempe, AZ
  - Central Michigan University, Music Building Mount Pleasant, MI
  - Oakland University, Science and Technology Center Auburn, MI
  - Macomb County Community College, Vocational and Technology Facility Warren, MI
  
- Research and Development
  - Chrysler Corporation, Product Research and Development Center Detroit, MI
  - Johnson Controls Automotive Group, Research and Development Center Plymouth, MI
  - Ford Motor Company, Scientific Research Laboratory Dearborn, MI
  - Upjohn, Virology Laboratory and Animal Research Center Dearborn, MI
  - W L Gore, Biotechnology Initiative and Research Flagstaff, AZ
  - US Army Corp of Engineers, TACOM Automated Data Processing Center Warren, MI
  
- Commercial
  - Phoenix Sky Harbor Airport, Checked Baggage Explosion Detection Screening Systems Phoenix, AZ
  - Transportation Security Administration (TSA), Passenger-side Screening Systems Upgrade (Phoenix, AZ; Las Vegas, NV; San Francisco, CA; La Guardia Airport, NY; Houston, TX; Chicago, IL)
  - Detroit Building Authority, COBO Hall International Convention Center Detroit, MI
  - Northern Michigan Office Furniture, Retail Center Traverse City, MI
  - St Claire Shores, Regional Transportation Center and "Park and Ride" lot St Claire Shores, MI
  - City Bank and Trust, Branch Renovations Jackson, MI
  - First of America Bank, Consolidation and New Operations Center Royal Oak, MI
  - Coastal Development Company, Harbortowne Traverse City, MI
  - Boardman Riverfront One Traverse City, MI
  - Old Fire Station Number One, Historic Restoration Traverse City, MI

**PRODUCT HISTORY- Con't**

- Industrial
  - General Motors Corporation Automotive Manufacturing Plant Saltillo, MX
  - MidwestCo Electronics Manufacturing Plant Nogales, MX
  - Weyerhaeuser Company Box Manufacturing Plant Quanaquarto, MX
  - TRW Vehicle Safety Systems, Inc., Mesa, AZ
  - Chrysler Corporation, Mack Ave. Engine Manufacturing Facility Detroit, MI
  - Chrysler Corporation, Kenosha Engine Manufacturing Facility Kenosha, WI
  - Intel Corporation, Project Management Improvement Process Chandler, AZ
  
- Telecommunications
  - MCI/WorldCom, Phoenix, AZ
  - Schwab Financial Services Data Center Chandler, AZ
  - Schwab Financial Services Data Center, Phoenix, AZ