

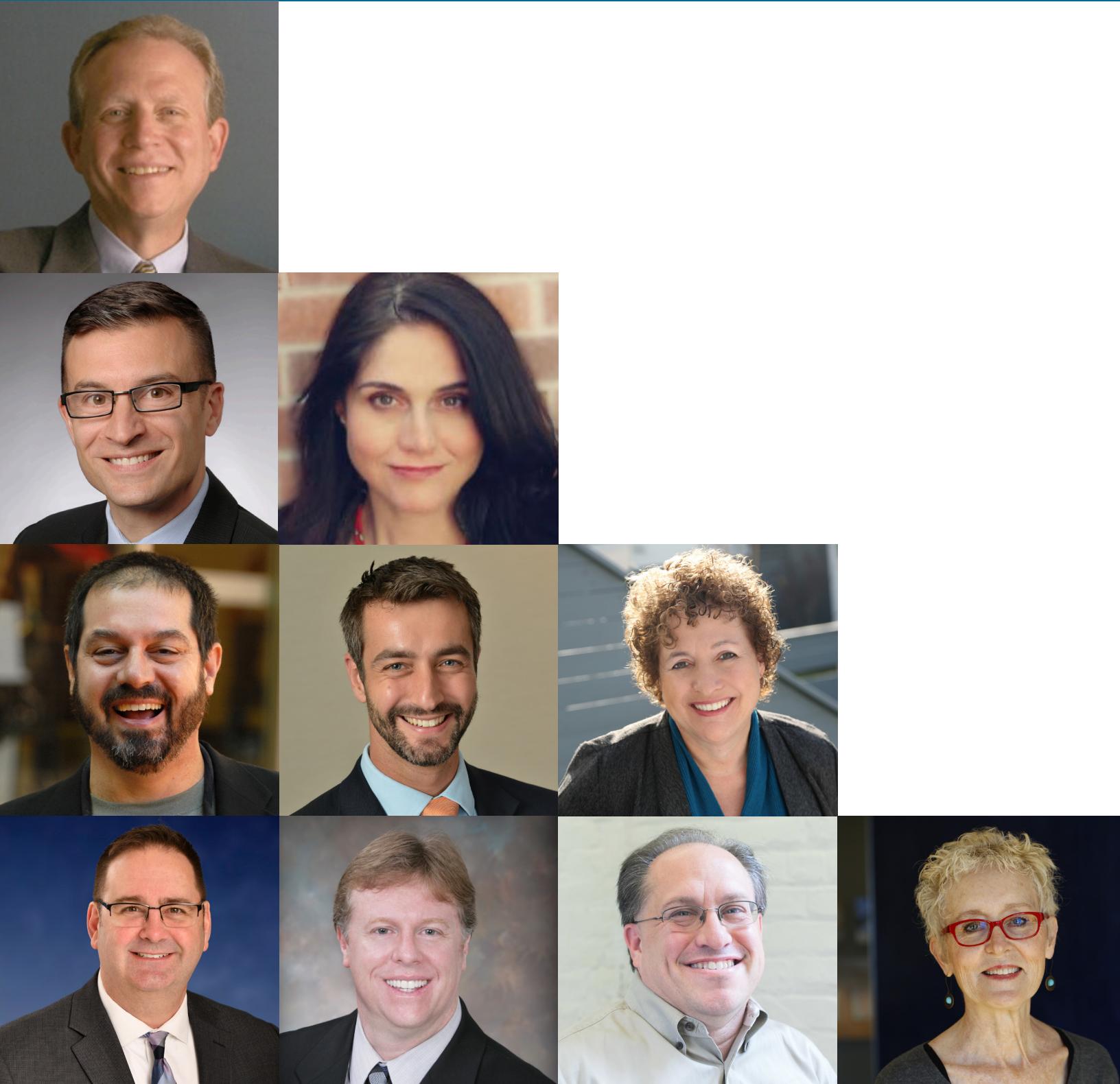


2019 Annual Report



The **American College of Healthcare Architects** provides certification for architects who practice as healthcare specialists.

Our body of certificate holders includes healthcare architects throughout the United States and Canada with specialized skills and proven expertise. ACHA is the first specialty certification program to be recognized by the American Institute of Architects.





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President's Report



John W. Rogers, FAIA, FACHA

2019 has been a busy and rewarding year for the American College of Healthcare Architects. Our goals for the year are:

- Increase **numbers** of certificants and candidates
- Increase **visibility** of the College in the healthcare market
- Increase **value** of being a Board certified medical planner

Our committees have been hard at work achieving their individual goals as well as advancing the College to achieve our overall goals. We developed several task forces this year to address specific needs our Board and leadership identified. The Annual Report will provide specific information from each as well as identify their leaders and the many dedicated Certificants who volunteer their time to improve the College. Volunteers are the lifeblood of the College. For example, we welcomed the new International Committee this year to continue development of Board certification opportunities for healthcare architects around the world as healthcare practice continues to expand globally. Our Certification Committee is considering avenues that will accommodate more candidates seeking certification throughout the year.

The Pillars of Healthcare Architecture, developed several years ago, including the ACHA, the AIA Academy on Architecture for Health, The AIA AAH Foundation and FGI continue to consolidate and assign resources and activities to eliminate redundancies and focus efforts for greater efficiency. Also, the Academy and College Executive Committees are meeting regularly to address issues together and more effectively. We watched the ACHA's social media footprint grow by more than 25% since January this year which shows the importance of communication platforms for the College and its future.

The College is working with schools of architecture and universities that provide healthcare programs as part of their architecture curriculums to engage and involve students in those programs much sooner in their education and professional careers in order to seed our Candidate Program. We continue to work with the AIA AAH (the Academy) to

2019 President's Report (cont.)

encourage their members to become ACHA Board Certified architects. Both efforts are targeted to expand and increase our numbers of candidates as well as certificants.

The ACHA remains the only specialty certification organization recognized by the AIA. The American Hospital Association's American Society of Healthcare Engineer's recognition of ACHA Board Certified Architects is now part of their recommended certification programs for healthcare project teams. This is a significant accomplishment that took several years and involved many leaders in both ACHA and ASHE. This is certainly adding visibility and value to our speciality certification.

As the College turns 20 at the end of this year, throughout 2020, we will continue celebrating and noting our accomplishments in many ways that will increase visibility of the College and our Board certification program. I am pleased to see how far we have come in the first 20 years and excited to think about where we will go and what we can accomplish in the next 20 years.

It has been an honor to serve as President of the ACHA this year and work with so many people who are the heart and soul of the College. Please consider getting involved in our committees to leverage your passion and recruit your coworkers and your network to become Board Certified. Together we can continue to grow the College and make the ACHA the best it can be.

All the Best,



John W. Rogers, FAIA, FACHA
2019 ACHA President

Executive Office Report

Executive Director Transition

The College has been incredibly fortunate to have Dana VanMeerhaeghe as its Executive Director for the past eight years. Dana resigned in February and transitioned her responsibilities to a new Executive Director, Katherine Hughey. The College thanks Dana for her dedication to and leadership of the College. The College continues their long-standing relationship with Kellen (formerly AMP) to provide management services, which includes all College staff.

Katherine Hughey is an experienced association Executive Director and has been with Kellen for five years. Katherine brings a vast knowledge of certification and membership recruitment strategies. She will continue to lead the College's staff team as well as provide the College with executive and financial oversight. ACHA's staff team includes:

- Raven Hardin, Association Manager
- Debbie Jennings, Meetings Manager
- Diane Northup, Account Coordinator
- Brianna Wilson, Membership Data Coordinator
- Crystal Rankin, Communications
- MaameYaa Nanti, Accounting Coordinator

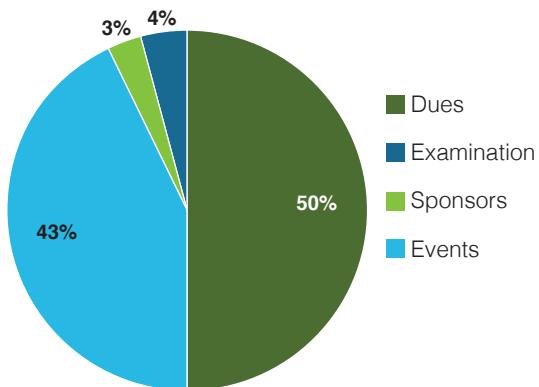
Not pictured: Maameyaa Nanti



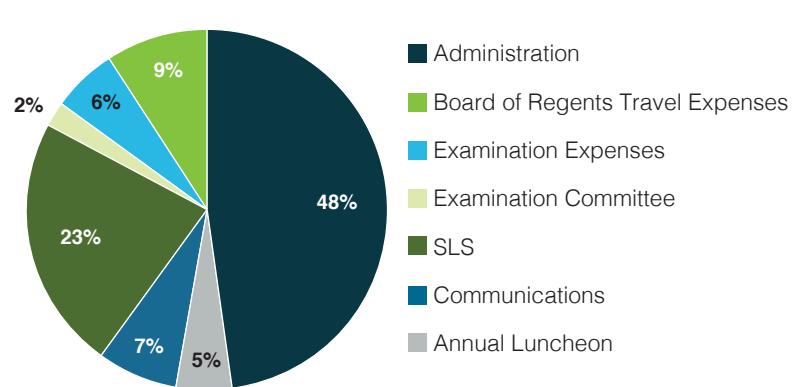
2018 Financial Report

Fiscal Year: January 1 – December 31

REVENUE



EXPENSES



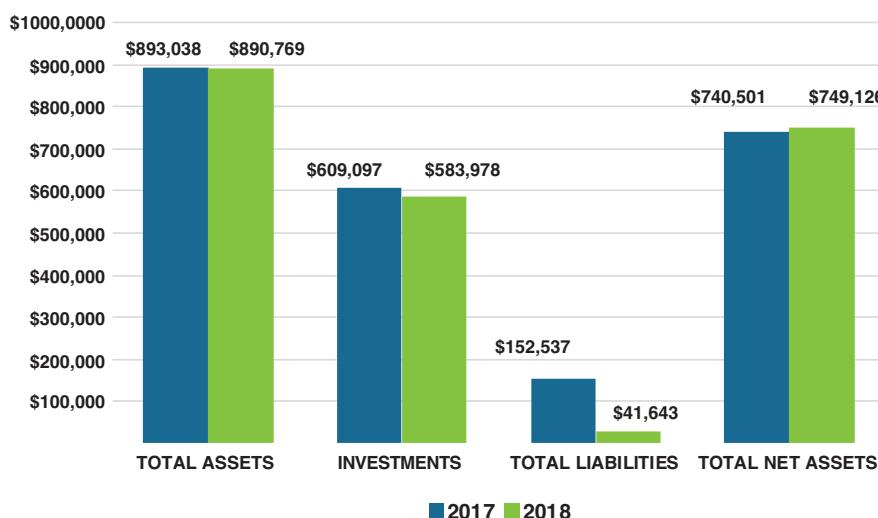
REVENUE

Dues	\$236,925
Examination	\$20,122
Sponsors	\$11,900
Events	\$200,390
TOTAL	\$469,337

EXPENSES

Administration	\$207,521
Board of Regents	\$40,736
Examination Fees	\$24,898
Examination Committee	\$6,760
Education Committee + SLS	\$99,478
Communications	\$32,027
Annual Luncheon	\$24,107
TOTAL	\$435,527

2017 & 2018 FINANCE REPORT



Education Committee

The Education Committee is charged with ensuring that high level educational content is available to ACHA certificants. In the past year, the committee has been focused on how to raise the standards of continuing education content available to ACHA certificate holders and reevaluate how content is disseminated.

Showcasing Our Expertise

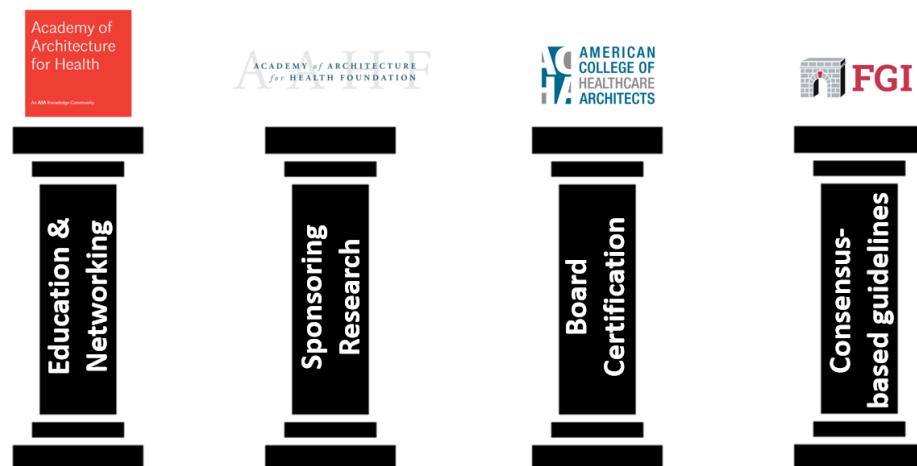
The committee worked on the following initiatives over the past year:

- Reinstating the Master Series at 1-2 national conferences
- Providing Exam Prep Seminars at several conferences
- Reviewing and publishing white papers
- Identifying content for an advanced webinar series and exploring how to offer it through the AIA Academy of Architecture for Health Webinar Series
- Reevaluating and recommending revisions to the requirements for recertification

In 2019, the committee was tasked with reformation of how it operates to align with the Four Pillars of Healthcare Architecture where educational initiatives will be delivered through the AIA Academy of Architecture + Health. The major committee initiatives have been re-aligned as follows: Master Series with AIA/AAH Conference Planning, Exam Prep with the ACHA Certification Committee and webinars with the AIA/AAH Webinar Committee. The committee also began exploring alternative approaches and formats for white papers including other channels for publication and dissemination. The evaluation of requirements for recertification has been approved by the Board and implemented at this time and involves eliminating non-healthcare CEU requirements.

Going forward, the committee will continue to meet and report in order to ensure content being created in the other organizations continues to meet the needs of our certificants. We look forward to continuing our efforts to enhance the collective expertise of our profession!

Pillars of Healthcare Architecture



Education Committee (cont.)

EDUCATION COMMITTEE MEMBERS

CHAIR

Elizabeth Normand, AIA, ACHA

Steffian Bradley Architects, Enfield, CT

BOARD LIAISON

David J. Allison, FAIA, FACHA

Clemson University-Architecture & Health,
Clemson, SC

PARTICIPANTS

Diana Anderson, MD, ACHA

Geriatric Medicine Fellow, UCSF Medical Center,
San Francisco, CA

Douglas King, AIA, FACHA

Stantec, Chicago, IL

Dan Rectenwald, AIA, ACHA

HGA, Inc., Minneapolis, MN

Fernando Rodrigues, AIA, ACHA

HDR, Inc., Houston, TX

Mardelle Shepley, FAIA, FACHA

Cornell University, Falmouth, MA

Donovan Smith, AIA, ACHA

KTH Architects, Inc., Orlando, FL



Exam Prep Seminar

EXAM PREP SEMINAR PRESENTERS

A special thanks to those who presented the College's Exam Preparation Seminar this past year:

R. Gregg Moon, AIA, ACHA

Kenall, Inc., Houston, TX

Craig Puccetti , AIA, ACHA

BSA LifeStructures, Inc., Austin, TX

Tim Spence

BSA LifeStructures, Inc., Raleigh, NC



Awards Committee

The ACHA Awards Committee is responsible for the awards that recognize and celebrate excellence in healthcare architecture: Fellowship in the ACHA and the Lifetime Achievement Award.

Fellowship in the ACHA is awarded to an ACHA certificant whose career reflects exceptional competence and design excellence in the healthcare architecture specialty, resulting in a demonstrable and significant influence on the profession. It is awarded to those who meet the high standard established by the FACHA jury during its annual review of submissions from those seeking elevation to Fellow. The certificant seeking elevation to the Council of Fellows prepares the package of supporting materials that will be reviewed by the FACHA jury. Five certificants were elevated in 2019.

The **Lifetime Achievement Award** is awarded by the Past Presidents of the ACHA to an individual whose career as a whole has demonstrated both extraordinary achievement and far-reaching influence on the profession. It can be given to anyone; the recipient does not have to be an ACHA certificant. The nature of their influence on the healthcare architecture profession can vary, including design excellence, service to the profession and to the College, or even publication success on a variety of scales. Individuals must be nominated and a package of supporting information must be prepared for review by the Past Presidents of the ACHA.

Committee Activities

The Legacy Award has been discussed as a future joint activity between ACHA Awards Committee and the AAH Design Committee, as part of the Four Pillars alignment.

The Fellow Jury was the main activity of the 2019 Awards Committee.

The Jury reviewed seven Fellows applications. Upon the Jury's recommendation, the Board of Regents elevated five certificants to ACHA Fellows.

ACHA's Past President, William J. Hercules, reviewed and selected David Allison, FAIA, FACHA as the 2019 Lifetime Achievement Award recipient.

Awards Committee

FELLOWSHIP COMMITTEE

CHAIR

Jean Mah, FAIA, FACHA
Perkins+Will, Los Angeles, CA

BOARD LIAISON

Steve Templet, AIA, ACHA
FreemanWhite, Jacksonville, FL

JURY

Thomas Harvey, Jr., FAIA, FACHA
HKS, Denver, CO

John Pangrazio, FAIA, FACHA
NBBJ, Seattle, WA

Francis Pitts, FAIA, FACHA
Architecture +, Troy, NY



Certification Committee

The Certification Committee is responsible for the application and portfolio review process to ensure the relevance of the College to the healthcare design industry. The main focus and effort of the Committee is the review and approval of candidate portfolios for examination eligibility. The committee provides recommendations to candidates regarding portfolio questions and eligibility concerns in conjunction with ACHA staff.

Committee Activities

The committee reviewed 38 portfolios during the two portfolio review periods (early bird and regular deadlines).



CERTIFICATION COMMITTEE MEMBERS

CO-CHAIRS

Dan Delk, AIA, ACHA

Moody Nolan, Columbus, OH

Susan Stewart, AIA, ACHA

The Stewart Studio, Birmingham, AL

BOARD LIAISON

Jon Paul Bacariza, AIA, ACHA

Ryan Companies, Tampa, FL

PARTICIPANTS

Larry Bongort, AIA, ACHA

Stantec, San Francisco, CA

Chuck Cole, AIA, FACHA

Chuck Cole Architects, Orlando, FL

Betsy Guthrie-Brunsteter, AIA, ACHA

ADG, Inc., Oklahoma City, OK

R. Gregg Moon, AIA, ACHA

Kenall, Inc., Houston, TX

Scott Mueller, ACHA

Shepley Bulfinch, Boston, MA

Zach Wideman, AIA, ACHA

HCA Healthcare, Nashville, TN

Jennifer Youssef, AIA, ACHA

RS&H, Houston, TX

Communications and Outreach Committee

The mission of the Communications and Outreach Committee (COC) is to increase awareness and presence of the College through media and publications. The COC continued to build and enhance the College's multimedia platforms: YouTube, LinkedIn, Twitter and the ACHA website. We experienced a 25% increase in followers on Twitter and LinkedIn since January 2019. Major milestones of 2019 included the revamped Value Proposition, website data refresh and preparation activities for ACHA's 20th Anniversary.

Committee members engage in various national healthcare conferences and continue to provide summary content on lectures for distribution in ACHA publications.

COC Communication Activities

eVoice: The eVoice is a monthly email containing trending healthcare news. We encourage you to forward the eVoice to your colleagues and clients.

Quarterly: The Quarterly is ACHA's quarterly newsletter showcasing ACHA activities, education programs, and other College related news.

Health Facilities Management (HFM) Magazine: ACHA's strong relationship with *HFM* has allowed a platform for many featured articles written by ACHA certificants. ACHA Certificate Holder articles are included in *HFM* magazine 4 times per year. The COC coordinates and manages the article topics with the *HFM* editor.

Social Media: ACHA has prioritized connections with current and future certificate holders through social media platforms, which include LinkedIn and Twitter. We encourage discussions and conversations on trending topics. Provide your Twitter handle and join in the conversation @ACHA_Info.

Communications and Outreach Committee (cont.)

COC COMMITTEE MEMBERS

CHAIR

Antonio Amadeo, AIA, ACHA
LDC International, Tampa, FL

BOARD LIAISON

Sharon Woodworth, FAIA, ACHA
Berkeley, CA

PARTICIPANTS

Douglas A. Childs AIA, FACHA
Tactics Studio, Sausalito, CA

O. Neal Corbett, AIA, ACHA
HDR, Inc., Atlanta, GA

John Grattendick, AIA, ACHA
HuntonBrady Architects, Orlando FL

Matthew Kennedy, AIA, ACHA
HKS, Inc., Northville, MI

Paul M. Sabal, AIA, ACHA
Vestal Corporation, St. Louis, MO

Shane Williams, AIA, ACHA
Corgan, Dallas, TX



Examination Committee

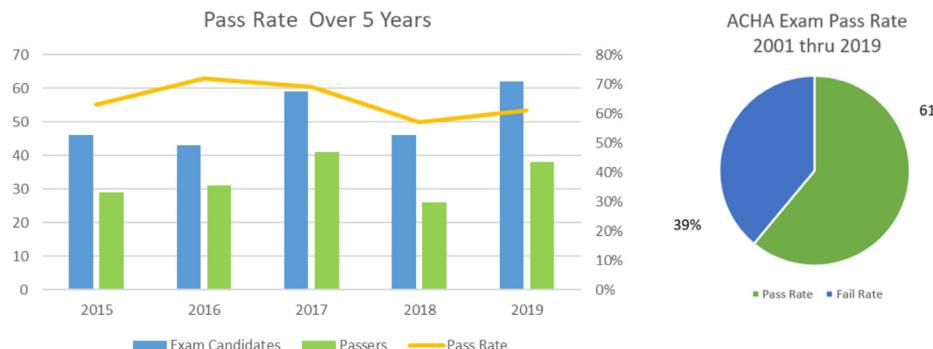
The Examination Committee develops the certification examination with expert psychometrician guidance to ensure that the examination is professionally sound and legally defensible. The committee oversees that all examination questions refer to the detailed content outline and can be referenced appropriately. The committee meets regularly to update the practice exam, write new examination questions and review the current exam form to ensure accurateness.

Exam Statistics

Summary

The College experienced an all-time high of 62 exam candidates in 2019. Of those, 19 were repeat examinees, which is also a record number. Since moving to one examination window in 2015, the average pass rate is 65%, ranging annually between 57% and 72%. The overall pass rate since 2001 is 61%.

As a point of comparison, the Architect Registration Examination® (ARE®) pass rate across all divisions over the past five years varied between 58 and 77 percent¹.

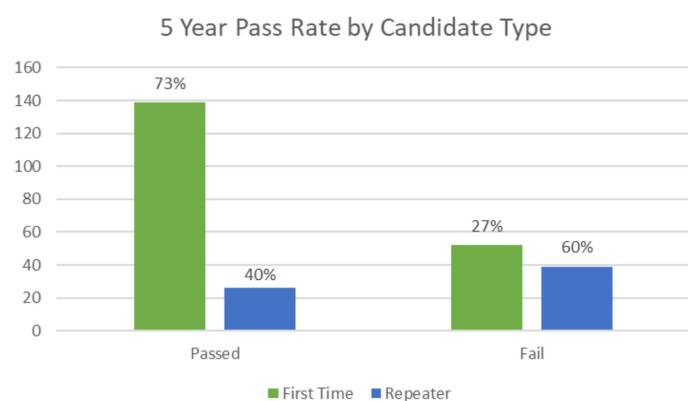


First Time v. Repeater Examinee Pass Rate

In 2019, the first-time examinee pass rate was 74%; the repeater pass rate was 32%. In 2019, candidates performed better during their first examination attempt.

Over the past five years, the first-time examinee pass rate was 73%; the repeater pass rate was 40%; more than half of repeater examinees failed a subsequent attempt. Overwhelmingly, first-time examinees outperform repeat examinees.

As of August 2019, the College has 451 active certificants, including 55 Fellows. An additional 51 certificants have been granted Emeritus, non-active status.



¹ The Architect Registration Examination® (ARE®) is a multi-division exam used to assess your knowledge and skills regarding the practice of architecture. Developed by NCARB, the exam is accepted by all U.S. jurisdictions and is a key step on the path to earning a license. <https://www.ncarb.org/pass-the-are>

Examination Committee (cont.)

EXAMINATION COMMITTEE MEMBERS

CO-CHAIRS

Ann Adams, AIA, ACHA

Davis Partnerships, Denver, CO

Deborah Harper Smith, AIA, ACHA, LEED AP

Flad Architects, Tampa, FL

BOARD LIAISON

Angela Mazzi, FAIA, FACHA

GBBN Architects, Cincinnati, OH

PARTICIPANTS

Jennifer Aliber, FAIA, FACHA

Shepley Bulfinch, Boston, MA

Erik Andersen, ACHA

San Francisco, CA

Vince Avallone, AIA, ACHA, LEED AP

SmithGroup, San Francisco, CA

Tracy Bond, AIA, ACHA, LEED AP

HDR, Arlington, VA

Brian Briscoe, AIA, ACHA, EDAC

HKS, Inc. Dallas, TX

Jocelyn Frederick, FAIA, ACHA

HC Tangram Design, Cambridge, MA

Ronald Gover, AIA, FACHA

HKS, Inc., Dallas, TX

Bill Persefield, AIA, ACHA

Medica Development, LLC, Richardson, TX

John W. Rogers, FAIA, FACHA

John W. Rogers, Architect, Cincinnati, OH

Ryan Turner, AIA, ACHA

DSGW Architects, Virginia, MN Mazzi



Ethics Task Force

The Ethics Committee was re-engaged in late 2018 to review and clarify the current Ethics Policies and Procedures.

Committee Activities

During discussions, the task force raised basic and substantive questions related to the currency of the ACHA Code of Ethics, its relationship to others within and adjacent to the profession, and the ACHA's ability to prosecute charges of violations of that Code. These were informed by research within the ACHA by task force members and external discussion with the AIA executives, its legal team, its National Ethics Council, and NCARB executives.

The consensus of the group was a directional shift in the ACHA policy from a prosecutorial (thou shalt not) to an aspirational (how can we continuously improve) purpose as one that actively reaches to progressively higher orders of ethics behaviors versus a series of rules and punishments. Traditional codes of ethics are prescribed standards of conduct, with clear lines of acceptable behaviors, for example the AIA's code of ethics is organized as a canon. The group also clarified two separate tracks of activity, which the taskforce had determined to support the ACHA's long-term strategic value: that of 1) re-drafting and adjusting Policy and Procedural language, and 2) encouraging the development of an exploratory mechanism to inform future ethics policies.

These discussions have produced a critical philosophical shift from a punitive "Code of Ethics" of minimum compliance to an aspirational "Ethical Framework" of greater good. Secondly, we had chosen to actively participate with other professional organizations and jurisdictional authorities to facilitate their prosecution of unethical behaviors brought to the attention of the ACHA and echoing their judgements.

Over the College's 20-years, there has been only one minor violation of the current ethical standards. We attribute that longevity to the quality of those architects pursuing a higher professional standard of excellence. While the final language is crafted and reviewed by legal counsel, the Board of Regents had adopted a general-purpose policy of "Ethics in All Things." This policy shifts the position of ethics from a background administrative element to a clear part of the ACHA's organizational culture. That means an affirmation of the then current ethical framework at key touchpoints — namely candidacy, initial certification, annual re-certification, and honor submittals.

The shift from a prescriptive Code of Ethics to an aspirational ethical framework allows the College to continuously improve itself by emerging research and best practices. The Ethics Task Force will shift from a reactionary concern to a proactive research-informed model.

Ethics Task Force (cont.)

ETHICS TASK FORCE MEMBERS

CHAIR

William J. Hercules, FAIA, FACHA

WJH Health, Orlando, FL

BOARD LIAISON

John Rogers, FAIA, FACHA

John W. Rogers, Architect, Cincinnati, OH

PARTICIPANTS

Mark A. Nichols, AIA, FACHA

Eckenhoff Saunders Architects, Chicago, IL

Diana Anderson, MD, OAC, ACHA, ABIM

Geriatric Medicine Fellow, USCF Medical Center, San Francisco, CA

Wilbur (Tib) Tusler, FAIA, FACHA

Oakland, CA



International Committee

Committee Activities

The International Committee (IC) is responsible for helping the College develop positions on matters related to ACHA Board certification by non-U.S. architects. This became a matter of greater interest after NCARB offered registration reciprocity in 2018 to architects in Australia, New Zealand, Canada and Mexico. ACHA has a small number of certificants from Canada, but none with original registrations from any of the other three countries. Inquiries from Australia about becoming board certified were strong in 2018, but to date no individuals with Australian registration are actively pursuing ACHA Board certification. One IC member, while in New Zealand giving a presentation to an audience of healthcare architects, offered to answer questions about NCARB reciprocity and ACHA Board certification, after the presentation, attendees had the opportunity to ask questions.

During the year, the committee used the following values to shape its discussions:

1. The ACHA IC recommendations on policies and positions on international matters must ultimately accrue to the benefit of the ACHA.
2. The ACHA Board certification is the gold standard globally in healthcare design, and anyone who wants to pursue it is welcome to do so.
3. The ACHA should be very cautious in responding to a request to help another country develop its own board certification for healthcare design.

The IC made the following recommendation to the Board of Regents:

- *The ACHA International Committee urges the Board of Regents to adopt policy and bylaws that allow certificant candidates from countries with NCARB reciprocity approval to enter the ACHA certification process.*
 - *Candidates must communicate in English, produce documentation of their education and licensure, submit a portfolio, provide evidence of their hours in healthcare project work, and if approved, take the ACHA Exam.*
 - *The exam, offered only in English, will not be changed for international candidates, and although the codes and standards used in their home country may differ, they will be expected to understand the ACHA practice-based expectations, including FGI Guidelines and the International Building Code, among others.*
 - *Candidates who meet the requirements and pass the exam will be Board Certified, just as any other successful candidate.*
- *ACHA Board Certified certificant candidates from other countries will be eligible for Fellowship, just as any other successful candidate.*

NOTE: The Board of Regents has approved this resolution.

A second recommendation is under development by the IC and relates to the general need for more information upon which to base possible additional policies or recommendations. The concern is that the ACHA may be missing an opportunity to reach out to and better understand international students

International Committee (cont.)

in graduate health architecture programs in the U.S. pursuing BArch or MArch degrees. The IC wants the ACHA to launch a data collection initiative that begins to quantify the international student presence in graduate U.S. health design programs, as well as the international student U.S. career path in healthcare design and the path to registration. The IC also wants to better understand the international practice activities in U.S. firms that maintain an international practice to see what role board certification makes in that practice.

In the remainder of this year, the IC plans to work with the Regents to define the data collection protocol that will help the ACHA discover and study trends and patterns in international student/practitioner behavior in healthcare design.

A third and final recommendation to the ACHA Board of Regents was that the IC transition at the end of 2019 to an “on-call” status, ready to serve the Board as international practice questions or needs arise, but not maintaining a regular meeting or activity schedule. An example of intermittent service would be the review of the data collection activities mentioned above, and the occasional refinement of the data collection protocol as needed. The IC expects board action on this recommendation before the end of 2019.

INTERNATIONAL COMMITTEE MEMBERS

CHAIR

Ray Pentecost, DrPH, FAIA, FACHA, LEED AP
Texas A&M University, College Station, TX

BOARD LIAISON

Sheila Cahnman, FAIA, FACHA
JumpGarden Consulting LLC, Wilmette, IL

PARTICIPANTS

Kirk Hamilton, PhD, FAIA, FACHA, FCCM, EDAC
Texas A&M University, College Station, TX

John Pangrazio, FAIA, FACHA
NBBJ, Retired, Seattle, WA

Peter Bardwell, FAIA, FACHA
Bardwell & Associates, Columbus, OH

Diana Anderson, MD, OAQ, ACHA
Geriatric Medicine Fellow, UCSF Medical Center, San Francisco

Frank Pitts, FAIA, FACHA
Architecture+, Troy, NY



Recruitment & Retention Task Force

The Recruitment & Retention Task Force was formed in late 2017 under Phil Tobey's leadership for the purpose of reviewing and clarifying the basic value proposition of Board certification and developing the means to continuously sustain its value. Three main concerns were identified, which include:

1. The College is up against various other professional organizations for limited professional involvement and financial support;
2. Many have expressed concern about the cost of initial certification and re-certification; and
3. Certificants are aging, and emerging professionals have an unclear prolonged and perhaps un compelling entry pathway and longitudinal career path.

Committee Activities

These general concepts produced the following courses of investigation:

1. Address the costs and complexity of initial entry (candidacy, portfolio, testing) as well as re-certification and advancement (annual dues, and Fellowship dues);
2. Aggressively connect the ACHA at pre-professional / collegiate, emerging professional, and mid-career levels.
3. Remove the perception of an unreachable high bar of the certification process by adjusting the process to allow accomplishment of component parts of certification in an order of the candidate's choosing, rather than the current serial prescription. This aligns with NCARB's Integrated Pathway to Architectural Licensure (IPAL) program first launched in 2015.
4. Continue to maintain a high public perception of the ACHA certification's value. One example of this is the ASHE cooperative promotional agreement executed earlier this year.
5. Demonstrate that uber-expertise has value to the world and provide a charitable outlet for its expression as a voluntary professional mission.

Each of these has many specific take-aways, current and future Board actions. But all point to a very active and focused dialog toward sustaining high value of ACHA certification.

Recruitment & Retention Task Force (cont.)

RECRUITMENT & RETENTION TASK FORCE

CHAIR

William J. Hercules, FAIA, FACHA

WJH Health, Orlando, FL

PARTICIPANTS

David Allison, FAIA, FACHA

Clemson Univ. - University Graduate Program in
Architecture + Health, Clemson, SC

Jon Paul Bacariza, AIA, ACHA

Ryan Companies, Tampa, FL

Philip Tobey, FAIA, FACHA

SmithGroup, Washington, DC



2019 Job Analysis Task Force

Between January and July 2019, the College conducted a job analysis. A job analysis (sometimes referred to as a practice analysis, job task analysis, or work analysis) is a scientific inquiry conducted in order to identify the tasks and work activities conducted, the context in which those tasks and activities are carried out, and the competencies (knowledge areas, skills, and abilities) required to perform a job role successfully.

The analysis was conducted in accordance with principles and practices outlined in the Standards for Educational and Psychological Testing, which describe principles and guidelines for all aspects of test development, including content validation.

Different methods can be used which may differ in the levels of specificity in analyzing and describing different work elements, with the choice of method largely dependent on the intended purpose and use of the results. The methodology of the current analysis was tailored to the creation of the ACHA exam specifications for test development.

The job analysis process yields exam specifications that reflect the scope of practice, allowing for the development of fair, accurate, and realistic assessments of candidates' readiness for certification. The job analysis is typically performed every 5 to 7 years so that the content outline represents the current scope of practice. Because it serves as the primary basis for content validity evidence, as required by the aforementioned Standards, the job analysis is a primary mechanism by which a certifying body or regulatory board can ensure the accuracy and defensibility of an exam. It serves as the foundation of the certification exam and is critical to the success of the entire exam development process.

ACHA works with psychometricians at PSI Inc., administrators of our exam, who led our diverse task force through three major activities of the job analysis process, which are:

1. Job Analysis Committee Meeting — A gathering of subject matter experts (SMEs) to discuss and develop a description of the scope of practice
2. Exam Content Outline Validation Survey Issued to Certificate Holders — A survey of practitioners not involved with the SME panel to validate the task and knowledge statements developed by the panel
3. Development of Examination Specifications Meeting — The development of examination specifications by the panel based on the results of the survey

2019 Job Analysis Task Force

JOB ANALYSIS TASK FORCE MEMBERS

Ann Adams, AIA, ACHA

Davis Partnerships, Denver, CO

Vince Avallone, AIA, ACHA, LEED AP

SmithGroup, San Francisco, CA

William Ayars, AIA, ACHA

Perspectus Architecture, Cleveland, OH

Tracy Bond, AIA, ACHA, LEED AP

HDR, Arlington, VA

Sheila Cahnman, FAIA, FACHA

JumpGarden Consulting LLC, Wilmette, IL

Tammy Felker, AIA, ACHA

NBBJ Architects, Seattle, WA

Ronald Gover, AIA, FACHA

HKS, Inc., Dallas, TX

James Kukla, AIA, ACHA

Kukla Partners LLC, Jupiter, FL

Bill Persefield, AIA, ACHA

Medica Development, LLC, Richardson, TX

Deborah Harper Smith, AIA, ACHA, LEED AP

Flad Architects, Tampa, FL

The resulting work of the task force and survey validated the definition of Healthcare Architect and established an updated Exam Content Outline or exam specifications from which the exam is based. The Exam Content Outline identifies the subject matter required for healthcare architecture certification.

The Exam Content Outline is available for candidates in our updated 2020 Candidate Handbook located on the ACHA website.

2019 ACHA Lifetime Achievement Award



David Allison, FAIA, FACHA

Clemson University
Architecture & Health
Clemson, SC

The ACHA Lifetime Achievement Award recognizes lasting influence in the theory and practice of healthcare architecture. David Allison, FAIA, FACHA has demonstrated this influence through his leadership as an educator, researcher, and active supporter of the ACHA and the AIA/AAH.

As Alumni Distinguished Professor of Architecture and Director of Graduate Studies in Architecture + Health at Clemson University, David has guided the program to prominence within higher education, building on the shoulders of the late educational pioneer George C. Means, Jr., FAIA. Research studies in which David has participated span from new concepts in patient room design to analysis of space grossing factors. He has led research efforts through his funded research projects and through his leadership of the HFREP and the Coalition for Health Environments Research programs formerly sponsored by the Academy.

Mr. Allison was a founding member of the ACHA. His professional organization contributions have include current service on the ACHA Board of Regents, and past leadership in the AIA Academy of Architecture for Health Board, and the Academy Foundation Board. In addition, for more than ten years, David has led the annual Architecture + Health Educators Summit, at which he chairs a major roundtable meeting for all U.S. healthcare architecture programs to exchange ideas and advance the quality of education.

David began his career as an architect with Kaplan McLaughlin Diaz in San Francisco, then moving to South Carolina to join Middleton McMillan Architects in their office in Charleston, SC. In 1990, when Frank Zilm, D.Arch, FAIA, FACHA and the late Arthur N. Tuttle, Jr. had developed the concept of a student design charrette, they approached David, the then newly appointed as Director of Graduate Studies in Architecture + Health, to help initiate this idea. He led and established the AIA/AAH Steris Student Design Charrette as one of the most successful components of Academy meetings, and the successors of the early charrette program have continued to thrive at both major annual national meetings for decades.

Most major healthcare architecture firms have graduates from the Clemson program. His students include numerous AIA/AAH Tuttle Fellows, International Fulbright scholars and other international students, spreading the knowledge of good healthcare design throughout the world. David's affirmation of this award comes by unanimous recommendation by the ACHA Past Presidents Council and unanimous approval by ACHA Board of Regents.

2019 Class of Fellows



R. David Frum, FAIA, FACHA

Salus Architecture,
Seattle, WA

R. David Frum impacted healthcare architectural practice by lowering healthcare costs through early integration of innovative LEAN methodologies. He earned national acclaim for his collaborative team leadership and he pioneered conferences that educate healthcare architects nationwide.

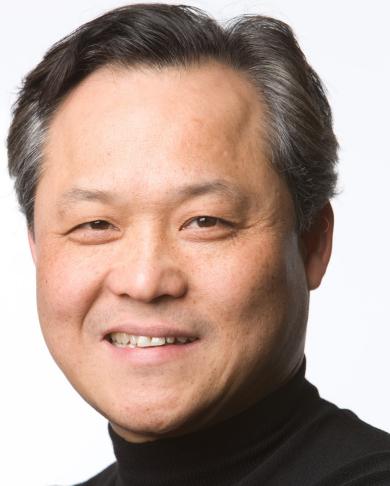
David's passion is **reducing the cost of healthcare** in facility design and construction. David is a **healthcare architecture innovator** grounded in "Form follows Function". The spaces he designs tightly envelope the functions assigned to them where a healing environment rises over technology and regulations, providing patients with human dignity, hope, privacy and compassionate design. His innovative designs have resulted in **facilities that reduced the cost of healthcare by improving their operational efficiency**. David adopted the LEAN approach to design which emphasizes operational efficiency and cost savings through detailed analysis of functional flow of people and processes through architectural spaces. His expertise in LEAN led Virginia Mason Medical Center (a national leader in healthcare LEAN) to select David to design their unique center for Hyperbaric Medicine. This award-winning center can treat more patients due to its double chamber plan and the arrangement of spaces within it. Teams from all over the world have toured this facility to study its efficient design, one that turned a large, intimidating machine into a comforting and pleasant environment.

While being raised on a kibbutz (communal farm) in Israel, it was rooted into David's essential nature that collaboration leads to successful outcomes for all involved. He won the ASHE's 2013 Vista award for his **collaborative approach to design** when leading the Dally Tower project. He harmoniously guided clients and project teams to create an efficient, beautiful and life-affirming hospital.

David **continues to educate the next generation of healthcare designers**. He initiated and leads regional and national healthcare educational activities through his ongoing involvement with the AIA's Academy of Architecture for Health and the Northwest's Architecture for Health Panel. Furthermore, David has been active in the ACHA in the Pacific Northwest by convening gatherings to introduce healthcare architects to the College.

His AIA service is inspired by a **deep commitment to professional education**, especially for young architects. He founded and continues to be involved in an annual regional conference. He strives to expose young practitioners to complex healthcare issues that impact their design practice. His pioneering efforts spawned similar events nationwide, so that healthcare architects across the country have access to information to help them design facilities that improve patient care and reduce healthcare costs.

2019 Class of Fellows



Michael Kang, FAIA, FACHA

SmithGroup
Washington, DC

Michael leads SmithGroup's design review committee, which ensures that all the firm's projects live up to the highest design quality standards. He applies the same discerning eye to his own work.

Michael has served as principal designer on many of SmithGroup's most notable international projects: the award-winning Postech Digital Library at the Pohang University of Science and Technology in Korea, and Shuguang Hospital in Pudong, China, the country's first to combine the practices of Chinese and Western medicine. SmithGroup was selected as the planning and design architect for the China project as a result of an international design competition among leading healthcare architects. Michael thrives on challenging design problems, and suggests that "patience is the companion of wisdom." He would find it fulfilling, he says, to use his skills to "build hospitals and clinics for the needy in poor countries. I would love to be a philanthropist and entrepreneur." Paul Macheske has more than 23 years of healthcare planning, programming and design experience with community hospitals, academic medical centers, health system facilities and government institutions. Paul has presented his innovative ideas in healthcare design to the Health Guidelines Revision Committee (HGRC) of the Facility Guidelines Institute (FGI) and the American Institute of Architects (AIA). He also was featured speaker on Architecture for Image-Guided Neurosurgery at the National Symposium on the Design of High Performance Operating Rooms. He led the teams for new hospitals in Daytona Beach and Wesley Chapel, Florida, and Castle Rock, Colorado. He has also led multiple master plans, expansions and renovations for healthcare system in Florida, Arizona and Colorado. He received his bachelor of architecture degree from the University of Kansas.

2019 Class of Fellows



Bryan Langlands, FAIA, FACHA

NBBJ

New York, NY

Bryan Langlands is an accomplished healthcare programmer, planner and designer of academic medical centers, specialty centers and community hospitals.

Bryan's list of clinical and research clients include NYU Langone Medical Center, University of Pennsylvania Medical Center, Children's Hospital of Philadelphia, University of Rochester Medical Center and Vanderbilt University Medical Center. His experience ranges from master planning and programming to design and construction administration for complex projects often requiring relocations, multiple phases of work, difficult site issues and mediation between constituents.

Bryan — who interfaces directly with users on projects — is recognized by clients for his architectural skills and his ability to manage the multitude of needs that arise on major healthcare projects. In addition to his leadership in the firm, he is a contributor to the recently published 2014 Facility Guidelines Institute's Healthcare Guidelines, and holds positions on two committees of the American College of Healthcare Architects.

2019 Class of Fellows



Paul Macheske, AIA, FACHA

HuntonBrady Architects
Orlando, FL

Paul Macheske has more than 23 years of healthcare planning, programming and design experience with community hospitals, academic medical centers, health system facilities and government institutions.

Paul has presented his innovative ideas in healthcare design to the Health Guidelines Revision Committee (HGRC) of the Facility Guidelines Institute (FGI) and the American Institute of Architects (AIA). He also was featured speaker on Architecture for Image-Guided Neurosurgery at the National Symposium on the Design of High Performance Operating Rooms. He led the teams for new hospitals in Daytona Beach and Wesley Chapel, Florida, and Castle Rock, Colorado. He has also led multiple master plans, expansions and renovations for healthcare system in Florida, Arizona and Colorado. He received his bachelor of architecture degree from the University of Kansas.

2019 Class of Fellows



Lou's His approach to each initiative is comprehensive and his professionalism is consummate. He works closely with clients to develop facility solutions and translate highly complex project concepts into simple terms. His orientation toward client service and delivery of high-quality, cost-effective projects has brought him recognition from healthcare institutions as well as his peers. Lou is an author and speaker for organizations such as the Center for Health Design, the American Institute of Architects, the Association of American Medical Colleges, and Tradeline. He is a member of the American College of Healthcare Architects and the Academy of Architecture for Health. Lou earned a Bachelor of Architecture from Kansas State University.

Louis Meilink, FAIA, FACHA

Ballinger
Philadelphia, PA

Since joining the firm in 1987, Lou Meilink's design solutions have helped shape the future of healthcare at academic medical centers, regional and community hospitals and healthcare networks.

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A special thank you to all the other volunteers who support the College, its Candidates and its mission.



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