



2016-17
ANNUAL
REPORT



MESSAGE FROM THE PRESIDENT—



It's my pleasure to introduce to you SEAIO's 2016–17 Annual Report. In this document you will find a summary of SEAIO's activities during the past year including a summary of the activities of our committees, the Structural Engineers Foundation and SEPAC/Government Affairs.

This past year was the first full year for our new Executive Director Stephanie Crain, and on behalf of the Board I would like to thank her for her outstanding commitment. We added some new features to our overall communication to our members, the industry and the public: a weekly email newsletter called Tuesday Update, a continuously updated website; we increased the circulation of our electronic *Bulletin*, created a new SEAIO app, and revamped our Press Release as part of our public outreach program. After celebrating our 50th Anniversary in 2015, we completed a strategic planning initiative, and in the near future we will proceed with the implementation and continuous monitoring of our strategies in the areas of governance, outreach, membership and programs. I

want to thank three of our Board members, Carol Drucker, Bill Walton and past-President John Duntemann, who completed their terms, and we welcome three new Board members, Johann Aakre, Homa Ghaemi and Jon Sfura, onto the Board.

During the past year our Board, committee chairs and other volunteers continued to work hard to attract more members to our association and to provide higher quality programs and services to members. We kept on being the voice of one of the more active structural engineering communities in the nation. Our financial health is overall strong, and we laid the foundation to continue working on the long-term sustainability of our traditional programs. I encourage you to review the Annual Report and feel free to call or email SEAIO's office with any questions and comments that you may have, including your suggestions for planning new initiatives. Most of all, I encourage you to be the ambassador of our profession and spread the word with your colleagues about the value you get from your SEAIO membership. It was a great honor for me to serve SEAIO this past year, and I look forward to continuing to stay involved with this outstanding professional organization.

Salvatore Di Bernardo
SEAIO President 2016–17



ABOUT US

INTRODUCING THE NEW SEA0I MISSION, VISION & CORE VALUES

SEA0I is pleased to announce that as a part of the 2017 Strategic Plan, our organization has a re-vamped mission, vision & core values.

To date, SEA0I has been operating under the SEA0I bylaws and utilizing a set of core values to help guide the main focus for our organization. As a part of the Strategic Planning process, a governance workgroup was formed to study if the SEA0I Core Values needed to be updated.

The governance workgroup surveyed numerous different organizations and how they presented their organization's purpose, goals and values. Based on our investigation and the guidance of our Strategic Planning Consultant, ESC, the Governance Committee set out to draft three main statements:

1. **MISSION STATEMENT**—A statement of **WHAT** our organization is and **WHO** our organization serves.
2. **VISION STATEMENT**—A statement of **WHERE** we want to go to use as a guiding light to identify our mission.
3. **STATEMENT OF CORE VALUES**—Values that are integrally a part of the organization.

A key finding of the governance workgroup was that the three statements needed to be succinct and easy to remember by our members. After much debate, the draft statements were shared with the SEA0I Board of Directors for approval in January 2017 and approved in February 2017.

Thank you to all of the SEA0I members who participated in this effort!

The SEA0I Board of Directors is pleased to present the new SEA0I Mission, Vision and Core Values!

David Nickell, SEA0I Board of Directors



MISSION, VISION, AND CORE VALUES

MISSION

SEAOI champions excellence for its members in the practice of Structural Engineering.

VISION

Structural Engineers will be leaders in innovation of the built environment while advancing the prestige of the profession.

CORE VALUES

- Support **LEGISLATION** to uphold and preserve the Illinois Structural Engineering Act to ensure the safeguarding the lives and property of the public
- Encourage **EDUCATION** to advance the art and science of Structural Engineering
- Promote **PUBLIC AWARENESS** to inspire confidence in the profession of Structural Engineering
- Work to uphold the **HONOR** and **INTEGRITY** of the profession

PROVIDING VALUE TO MEMBERS:

- Members of SEAOI have access to significant resources and tools to help advocate and advance excellence in structural engineering and aid in safeguarding the lives and property of the public in a supportive, collaborative environment.

MEMBERSHIP

SEAOI had 800 members in the 2016–17 membership year. While the majority of members were located in Illinois, members from 29 other states were represented.

SEAOI offers seven types of membership:

MEMBER Illinois-licensed Structural Engineers

LOCAL MEMBER (MEM) Living or working in Illinois, and home or work ZIP code is under 61000

NON-LOCAL MEMBER (MEO) Both residential and work addresses are out of state or have ZIP codes of 61000+

AFFILIATE MEMBER (AFI) Individuals who work outside the structural engineering profession.

STUDENTS (STU) Individuals who are enrolled full-time in a college or university degree program

ASSOCIATE MEMBER Individuals practicing in the field of Structural Engineering but not licensed in Illinois

ASSOCIATE (ASC) Received baccalaureate degree 8 or more years ago

ASSOCIATE (ASI) Received baccalaureate degree within the last 7 years

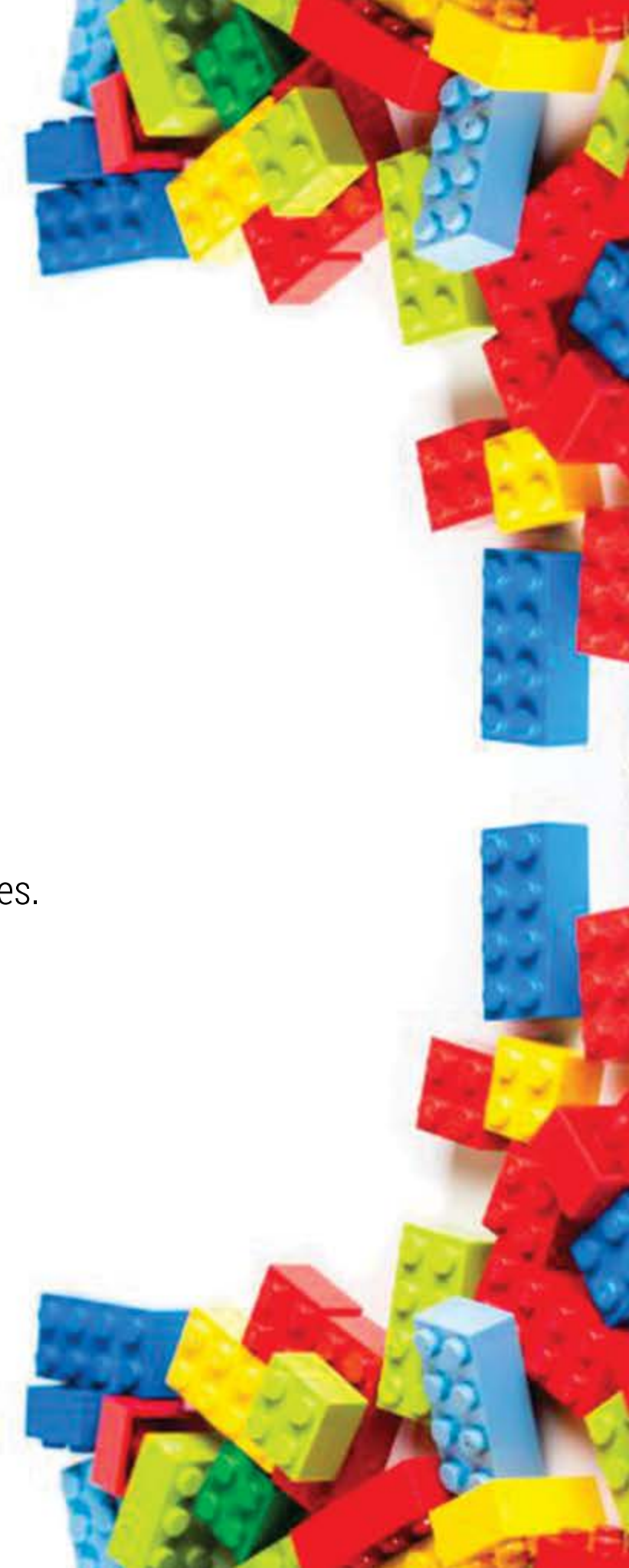
LIFE MEMBERS (LIFE) Awarded by the SEAOI Board of Directors. Requirements include 10 consecutive years of membership, retired from active practice, and a written request to the SEAOI Board, which should include a CV, resume or bio that highlights the candidate's career accomplishments.

BENEFITS OF MEMBERSHIP

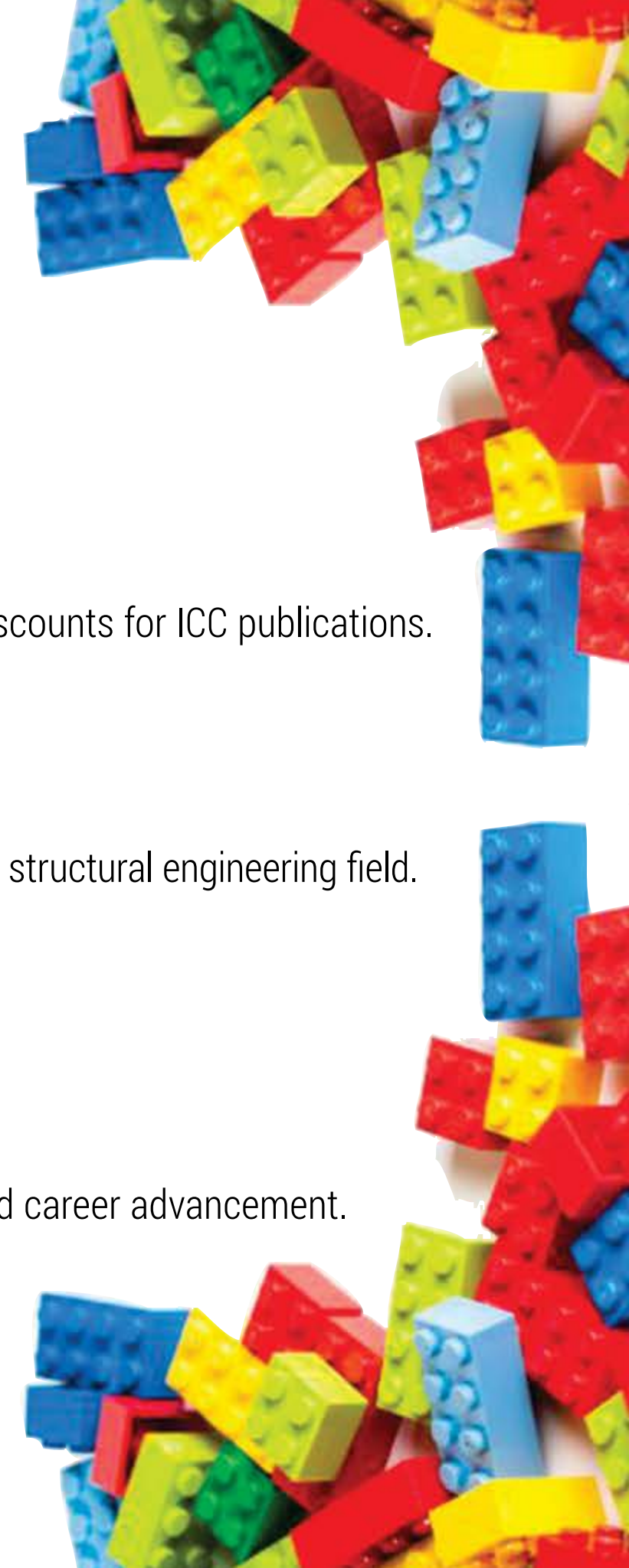
SEAOI provides a multitude of member benefits. Whether you're a licensed SE or working towards licensure, in an affiliate profession or a student, SEAOI has something unique to offer you.

Discounted Rates for SEAOI Events:

- Continuing Education Courses offered throughout the year. Our full- and half-day classes are highly rated by attendees and are among the most economical you will find. Many are also available online.
- Dinner Meetings showcasing great projects and important engineering concepts and materials.
- The SE Exam Review Course offered by SEAOI is highly acclaimed and has helped attendees succeed on the SE Exam. This extensive course has been expanded to 45 sessions and is available online or in-person.
- Trade Shows offered in Chicago and central Illinois, featuring the best suppliers and manufacturers of products, software and services.
- Bridge and Structures Symposia, day-long events featuring a keynote address, several short presentations and opportunities to interact with exhibitors.
- Recorded webinars offer on-demand education. Some webinars are free to members; others offer discounted rates for CE credit.
- Group Savings: SEAOI members can enjoy significant savings on products and services, with no fees and no obligation. Access discounts on office supplies, shipping services, hotels and more.
- Excellence in Structural Engineering Awards: only SEAOI members are eligible to submit.



- Public outreach and volunteering opportunities are available to members through our participation in various programs like E-Week, Future City Competition, Science Fairs, CANstruction and Engineering Career Days. These avenues are wonderful sources for disseminating into the public the important work that the structural engineer does.
- SEA0I's monthly *Bulletin*, featuring news about the practice of engineering, technical discussions, continuing education courses, job opportunities and other information.
- Illinois Legislative Watch, monitoring and safeguarding legislative activities that may affect the profession through the Government Affairs Committee. Our activities in this area also include protecting the Illinois Structural Engineering Act.
- Membership in the National Council of Structural Engineering Associations, including a subscription to *STRUCTURE Magazine* and discounts for ICC publications.
- The Young Engineers Committee offers activities for engineers newer to the profession, including panel discussions, social events, visits to construction projects and volunteer and mentor opportunities.
- Attendance at the Structural Engineers Foundation Spring and Fall Lectures. These lectures feature nationally recognized experts in the structural engineering field.
- Access to the SEA0I Library, a collection of materials that includes historical references and first editions of significant publications.
- Networking opportunities at our events. These opportunities can lead to job advancement and career moves. Connect with SEs from all over the state at SEA0I events; develop leads and business potential!
- Career management events and workshops where distinguished and renowned individuals in the field offer advice on job hunting and career advancement.
- Access to the SEA0I Member Directory of 800+ members, and a reference list with easy-to-find information on affiliated and trade organizations.



COMMUNICATIONS / PUBLICATIONS

- SEA0I.org is the hub of information dissemination and online member interaction. The current SEA0I calendar and event registration, job postings, Find an Engineer, news and issues affecting the structural engineering community and other resources are found here. Members may also access their account history, current and past issues of the *Bulletin* and approved Board minutes.
- The SEA0I *Bulletin* is a monthly newsletter reporting events and issues important to the structural engineering community and SEA0I members. The *Bulletin* is available in print and online.
- Tuesday Update is a weekly online journal detailing upcoming events, announcements and hot topics.
- Press releases are issued for important SEA0I announcements, awards and events to increase visibility of the profession and organization within the structural engineering community and the general public.
- SEA0I events and news can be found on our Facebook and LinkedIn group pages.



COMMITTEES

SEAOI offers many volunteer opportunities that allow our members to directly contribute to the success of SEAOI, advance and advocate the profession of structural engineering and engage with peers and the public. Committee highlights of the 2016–17 year activities:

ANNUAL MEETING/AWARDS BANQUET COMMITTEE

Plans the Annual Awards Banquet, which includes the SEAOI Special Awards presentation and the induction of the new president and board officers.

CHAIR—John Duntemann

- Hosted over 160 attendees at the 2017 Annual Awards Banquet.
- Scouted venues for 2018 Annual Awards Banquet.

AWARDS COMPETITION COMMITTEE

Prepares, publicizes and distributes information allowing SEAOI members to submit sample projects on behalf of a company for recognition in the SEAOI engineering excellence awards annual program.

CHAIR—David Horos

- Facilitated call for, submission of, presentation and judging of all 2017 project award submissions.
- Implemented online project submission process.
- Secured panel of qualified third-party judges to preside over the project award presentations.
- Evaluated new project award categories.
- Organized committee in review and selection of the Parmer Award, Young Engineer Award, Service award and special awards recipients.

BRIDGE SYMPOSIUM COMMITTEE

Responsible for scheduling and arranging this annual day-long event. The committee solicits and reviews abstracts, selecting presentations that cover a broad range of bridge engineering issues.

CHAIR—Soliman Khudeira

- Hosted approximately 150 attendees at 2017 event.
- Prepared a working schedule, developed guidelines for presentation slides and implemented new on-site registration for 2017 event.
- Secured Maggiano's for April 26, 2018.

BUILDING CODES COMMITTEE

Makes recommendations for amendments to the codes which would incorporate new developments in various aspects of the design of structures and specifications used in the practice of structural engineering.

CHAIR—Jim Hauck

- Continued to strengthen relationship with the City of Chicago Department of Buildings.
- Maintained consistent awareness of amendments to codes.
- Revitalized committee with call for volunteers for 2017, resulting in several new members.

CENTRAL ILLINOIS CHAPTER AND TRADE SHOW COMMITTEE

Organizes the annual Central Chapter Trade Show & Symposium, and helps to coordinate continuing education events held in central Illinois.

CHAIR—Joe Lowrance

- Hosted over 95 attendees and 14 sponsors/ exhibitors at 2016 Trade Show & Symposium, and offered Seismic Design of Buildings in Springfield and Engineering Below Ground Level in Normal, Illinois.
- Improved marketing and communication to members outside Chicagoland area.
- Concerted efforts to increase events offered to central Illinois members.

CHICAGO TRADE SHOW AND SYMPOSIUM COMMITTEE

Responsible for organizing this annual exposition, where structural engineers can talk with participating vendors about the products or services they offer.

CHAIR—Soliman Khudeira

- Hosted close to 75 attendees and 17 vendors at the March 3, 2017, event.
- Secured University Club for March 2, 2018.
- Coordinated efforts with SEAIN Spring Conference scheduled around the same time.

CONTINUING EDUCATION COMMITTEE

Plans SEA0I seminars and workshops throughout the year. The committee selects topics and recruits instructors to meet the continuing education needs of structural engineers.

CO-CHAIRS—Larry Kirchner and Jon Sfura

- Offered six events, serving over 200 attendees during 2016–17 Program Year.
- Actively recruited additional committee members to facilitate more event offerings in 2017–18 Program Year.

DINNER MEETINGS COMMITTEE

Determines topics and secures speakers for the monthly dinner meetings.

CO-CHAIRS—Carol Drucker and Bill Walton

- Hosted six dinner meetings, with over 460 attendees in 2016–17 Program Year.
- Topics and speakers included: Kevin Sido on *Amicus Curiae*, Bill Walton on Deep Foundations Performance, Gowan Dishman on the New NY Bridge, Dennis Poon on the Shanghai Tower, David Eckman on River Point Tower and Eric Fenske and Bob Halvorson on Hanking Center.

MEMBERSHIP COMMITTEE

Encourages those in the practice of structural engineering and allied professions to become members of SEA0I to advance the profession; maintains a membership list and publishes the SEA0I membership directory.

CHAIR—Derek Boeldt

- Grew the recent graduate membership subsidy promotion for new young members.
- Improved online membership application and renewal process for 2017–18 year.
- Welcomed 106 new members in 2016–17.

PUBLIC RELATIONS/OUTREACH COMMITTEE

Serves as liaison between the profession and various other stakeholder groups including the general public, students, government agencies, peer organizations and the media, initiating activities that promote the value of structural engineering as a profession, an expertise and a service. Generate awareness and appreciation in these groups for structural engineers.

CHAIR—Jan Blok

- Represented SEA0I and participated at various events in 2016–17, including The Future City Competition, DuPage Area STEM Expo and Des Plaines Science Expo.
- Populates Engineering in the News section of the SEA0I website.
- Creates and distributes SEA0I press releases promoting SEA0I events and awards.
- Collaborates with peer organizations on various joint initiatives.
- Enables communications with the boards of peer organizations.

BULLETIN/PUBLICATIONS COMMITTEE

Collects and edits appropriate news and other material for inclusion in the SEA0I *Bulletin*.

CHAIR—Cathleen Jacinto

- Successfully implemented redesign of *Bulletin* for an enhanced digital version.
- Developed Annual Report.

SPONSORSHIP COMMITTEE

Provides information and communication to potential affiliate sponsorship companies that have a history or interest in supporting SEA0I as well as the structural design and construction industry in general.

CHAIR—Terry McDonnell

- Refined Affiliate Sponsor program.
- Continued development of comprehensive sponsor database.
- Continued to strengthen relationships with existing sponsors.

STRUCTURES SYMPOSIUM COMMITTEE

Responsible for scheduling and arranging this annual day-long event. The committee solicits and reviews abstracts, selecting presentations that cover a broad range of structural engineering issues.

CHAIR—Derek Boeldt

- Hosted 112 attendees at 2016 event.
- Implemented new abstract submission process for 2017 event.
- Secured Maggiano's for October 26, 2017.

TECHNOLOGY COMMITTEE

Works to improve and expand the technological capabilities used in SEAOI's classes and events, including the availability of live class recordings.

CHAIR—Kevin Conroy

- Implemented several upgrades to SEAOI website, including participant list for all events, automated enrollment process for SEAOI webinars and improved receipt functionality.
- Receive NCSEA Grant for technology, resulting in acquisition of new equipment to enhance user experience of SEAOI events.
- Refined tech support training tools for onsite volunteers.

WOMEN IN STRUCTURAL ENGINEERING

(formerly known as Women's Networking Group)

Provides a forum for networking in the context of educating our members.

CO-CHAIRS—Christine Freisinger and Jennifer Traut-Todaro

- Renamed group SEAOI Women in Structural Engineering (SEAOI WiSE) to better reflect mission and goals.
- Hosted sold-out First Annual Women in the Built World in January 2017, in conjunction with WiRE and CWA.
- Collaborated with SE3 Committee to host live and online presentation of SE3 Survey Findings in May 2017.

IMPLEMENTATION OF STRATEGIC PLANNING COMMITTEE

Maintains accountability, adaptation (if needed) and fulfillment of SEAOI's strategic plan.

CHAIR—David Nickell

- Finalized and implemented SEAOI strategic planning for fiscal years ending 2018, 2019 and 2020.
- Finalized new Mission, Vision and Values for SEAOI.
- Created and implemented reporting system.

In addition to these committees, the following groups are under the SEA01 umbrella, but have their own Boards:

STRUCTURAL ENGINEERS FOUNDATION (SEF)

An independent, non-profit charitable organization dedicated to one goal: the advancement of structural engineering. SEF has committed to sponsoring and funding scholarships, lectures, awards, publications and research.

PRESIDENT—James Pawlikowski

- Awarded four scholarships, totaling \$10,000
- Awarded one research grant, totaling \$2,500
- Hosted two free lectures: Adventures in Glass by James O'Callahan on November 1, 2016, and The Role of Sustainability in Structural Engineering by Gunnar Hubbard on April 18, 2017.

GOVERNMENT AFFAIRS/STRUCTURAL ENGINEERS POLITICAL ACTION COMMITTEE (GAC/SEPAC)

The Government Affairs Committee meets on a regular basis and engages the political action committee when needed to fight pending legislation in Illinois as well as affect judicial rulings by funding *amicus curiae* (friend of the court) briefs. SEPAC was formed in 1987 to represent the interests of structural engineering and allied professions in the political and legislative arenas in Illinois. SEPAC is an independent, bipartisan organization.

CHAIR—John McLean

- Evaluated pending legislation throughout the year as identified by our consultant hired to monitor Illinois legislative items affecting structural engineering.
- Partnered with AIA Illinois to travel to Springfield, Illinois, for a day of meeting with Illinois legislators by SEA01 members at no cost to members.
- Hosted close to 40 attendees at the September 2, 2016, Dinner Meeting event; Kevin Sido discussed the successful *amicus curiae* briefs SEA01 helped fund.
- Reinvented the Principals Luncheon as the GAC Spring Luncheon on April 21, 2016; over 60 attendees listened to Randy Blankenhorn discuss Infrastructure in Illinois.

YOUNG ENGINEERS COMMITTEE (YEC)

Works to provide a forum for young practicing structural engineers to promote the structural engineering field, as well as learn from both young and experienced members of the Structural Engineers Association of Illinois (SEAOI).

CO-CHAIRS—Michelle Ryland and Mike Zelisko

- Launched First Annual Young Engineers Symposium, featuring six young engineers presenting their projects to a sold out audience of over 50.
- Hosted several networking and professional development events such as the biannual Post SE / PE Exam Celebrations, the “Can for a Can” Happy Hour and the Holiday Happy Hour and Toy Drive.
- Served as liaison between SEAOI Board and Young Engineer members, ensuring interests, activities and goals of each group were communicated and coordinated.
- Managed SEAOI's social media platforms.

The following committees are composed of appointed members, per the SEAOI By-Laws:

EXECUTIVE COMMITTEE

composed of the Board President, President-Elect, Treasurer, Secretary, and the immediate Past-President.

CHAIR—Salvatore Di Bernardo

NOMINATING COMMITTEE

Prepares a list of nominees for future officers and Board of Directors for the annual elections.

CHAIR—David Horos

EDUCATION

SEAOI hosts several live and online seminars, courses and workshops throughout the year, providing best in class content presented by industry leaders. We are very proud of our overall event attendee satisfaction rating—100% of all surveyed events presented by SEAOI received a rating of Excellent / Very Good.

Events offered in 2016–17 include:

- Continuing Education classes

- Bridge Symposium

- Structures Symposium

- Dinner Meetings

- Central Chapter Trade Show and Symposium

- Chicago Trade Show and Symposium

- Webinars

- SE Exam Refresher Course

- GAC Spring Luncheon



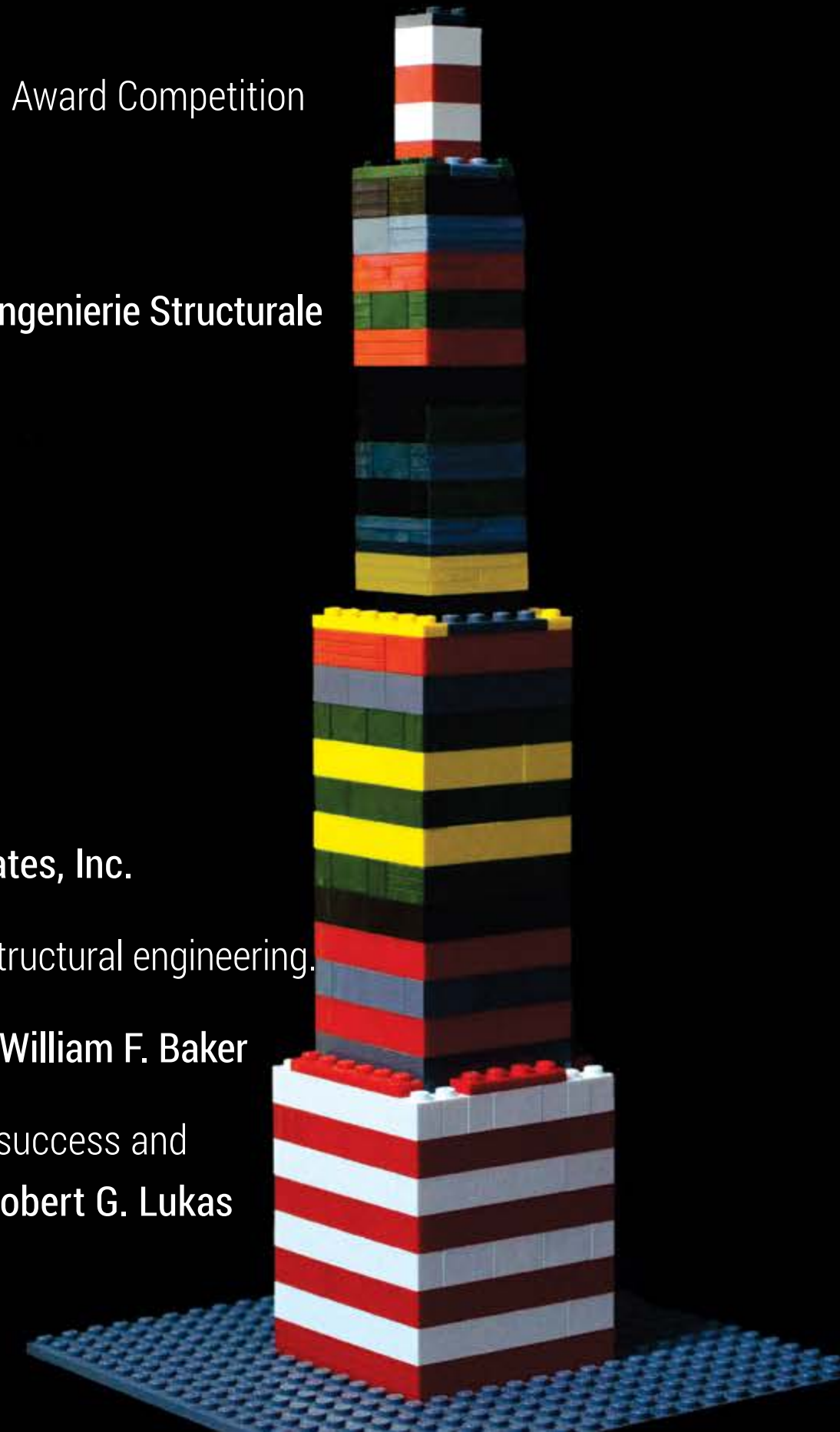
AWARDS COMPETITION / ANNUAL BANQUET / SPECIAL AWARDS

The SEA01 Annual Banquet is held each June to honor and recognize recipients of the Excellence in Structural Engineering Award Competition and Special Awards. Excellence in Structural Engineering Awards is a design competition that recognizes excellence in structural engineering. Awards given at the 2017 Annual Banquet were:

- **JURORS' FAVORITE / MOST INNOVATIVE STRUCTURE**—JTI Headquarters; Skidmore, Owings & Merrill LLP and Ingeni Ingenierie Structurale
- **BEST RENOVATION / RETROFIT PROJECT**—Hard Rock Stadium; Ruby+Associates, Inc.
- **BEST BRIDGE / TRANSPORTATION PROJECT**—Kentucky Lake Bridge; Michael Baker International, Inc.
- **BEST PROJECT—> \$150 MILLION**—River Point Tower; Magnusson Klemencic Associates
- **BEST PROJECT—\$50 MILLION TO \$150 MILLION**—Chicago Riverwalk; Alfred Benesch & Co.
- **BEST PROJECT—\$5 MILLION TO \$50 MILLION**—Wrightwood Art Gallery Renovation; Thornton Tomasetti, Inc.
- **WILLIAM AND ALYS LAVICKA AWARD (UP TO \$1 MILLION)**—Duke University Chapel; Wiss, Janney, Elstner Associates, Inc.

SEA01 Special Awards are given to individuals who have demonstrated extraordinary service and achievement in the field of structural engineering.

- **JOHN F. PARMER AWARD** honors a structural engineer by their peers to be an example of excellence. **2017 RECIPIENT—William F. Baker**
- **SEA01 SERVICE AWARD** recognizes a person in design, construction or a related field, who has achieved outstanding success and distinction, and has made a significant contribution to the advancement of structural engineering. **2017 RECIPIENT—Robert G. Lukas**
- **OUTSTANDING YOUNG ENGINEER AWARD** recognizes an engineer aged 35 or younger for outstanding achievements in structural engineering. **2017 RECIPIENT—Patrick Ragan**



BUDGET FOR 2017-18

3% Advertising and Sponsorships
\$18,000

1% Other
\$2,000

10% Other Events and Programs
\$57,000

29% Membership Dues
\$164,000

57% Continuing Education
\$319,000

REVENUE—\$560,00

2% Marketing
\$10,000

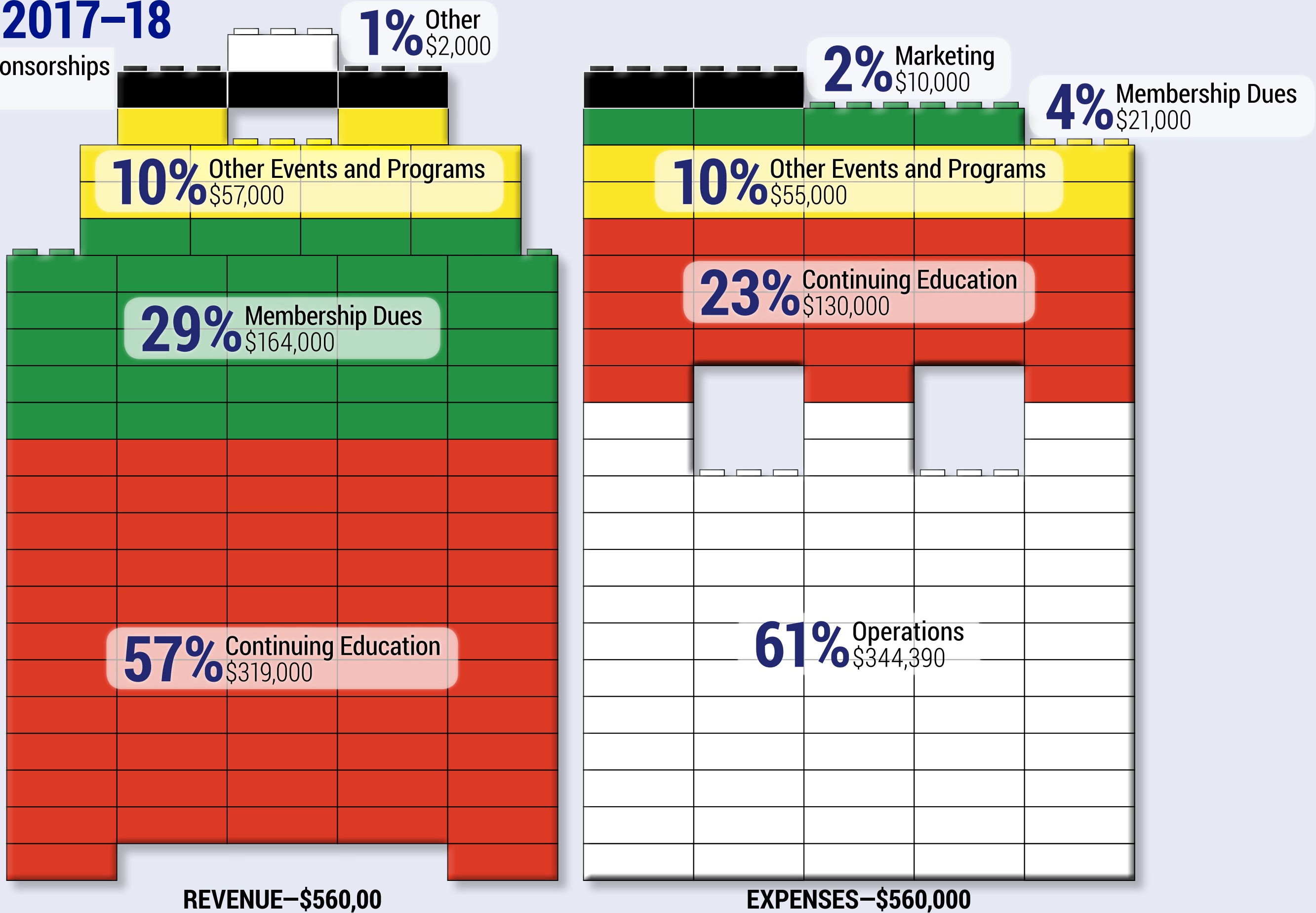
4% Membership Dues
\$21,000

10% Other Events and Programs
\$55,000

23% Continuing Education
\$130,000

61% Operations
\$344,390

EXPENSES—\$560,000



BOARD & STAFF

CURRENT BOARD MEMBERS

President—Tony F. Shkurti
President-Elect—David Nickell
Treasurer—Christine M. Freisinger
Secretary— Soliman Khudeira

Directors to 2018

Derek Boeldt
Lawrence Kirchner
Joseph M. Lowrance

Directors to 2019

Jan I. Blok
Kevin Conroy
José A. Medero

Directors to 2010

Johann Aakre
Homa Ghaemi
Jon Sfura

Past Presidents

Terry R. McDonnell
David R. Horos
Salvatore Di Bernardo

STAFF

Stephanie Crain, Executive Director
scrain@seaoi.org
312-488-9839

Mary Jane Davis,
Administrative/Finance Assistant
office@seaoi.org
312-726-4165

Marsha Harman,
Program & Technology Coordinator
mharman@seaoi.org
312-488-9838

LOOKING AHEAD 2017–18

Wow! This past year has been an exciting year for SEA0I, and as we carry the torch forward this coming year, we plan to continue making our organization just a bit better: a place where all structural engineers can come together, share their experiences and know-how, mentor the younger generation of engineers, learn from each other and just as simple as hang out and have fun while doing it.

First, it is the first year of a three-year implementation for our strategic plan. David Nickell is leading the effort, and we are well on our way to meeting and exceeding our goals. We are going to keep on track pushing forward.

Second, we plan to make many improvements to our services. We are already collaborating with many of the local universities to start the onboarding of future structural engineers into the organization. We have more student members than ever and are adding more as we go along. The onboarding will continue by engaging these members with the YEC, of which I am really proud as they continue to add value to SEA0I by contributing fun as well as educational activities, influxing young blood into our organization and preparing new leaders. We are also coordinating better than ever with our national organization, NCSEA. We are interfacing much better than in past years, and are working toward identifying dedicated delegates to NCSEA.

We are discussing several possibilities of improving our trademark Refresher Course, and many of our Continuing Education offerings. We take pride in these services that impact the professional life of our members, and structural engineers in general. We want to keep SEA0I as a fun place to be, but we want to also make it a sustainable organization, just like our profession.

Please come and join us, volunteer and spread the word about our organization.

Hope to see you soon at one of our upcoming fun activities.

Tony Shkurti

SEA0I President 2017–18



