

Annual Members' Meeting

20 September 2023



Welcome

Christina Snyder
ICEAA International President



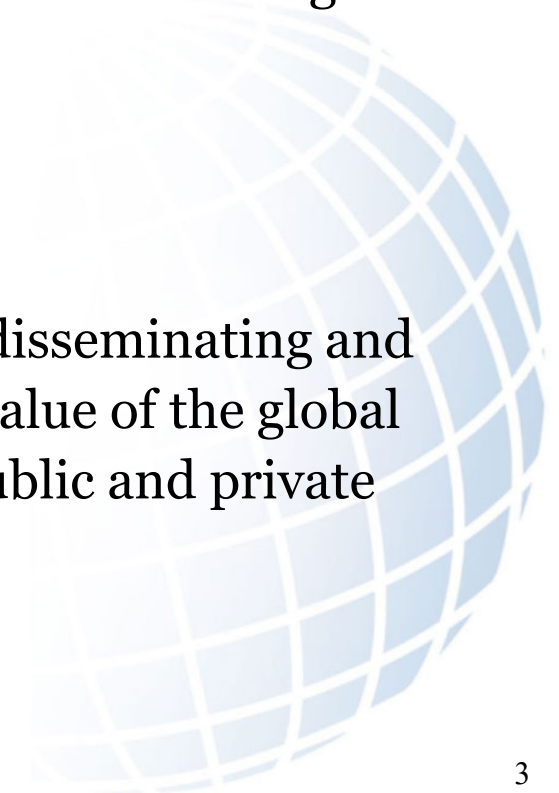
The Vision

- Vision for the *Profession*

To be a vital, respected, indispensable and **growing** community of practice composed of ICEAA certified professionals recognized as best-in-class.

- Vision for the *Organization*

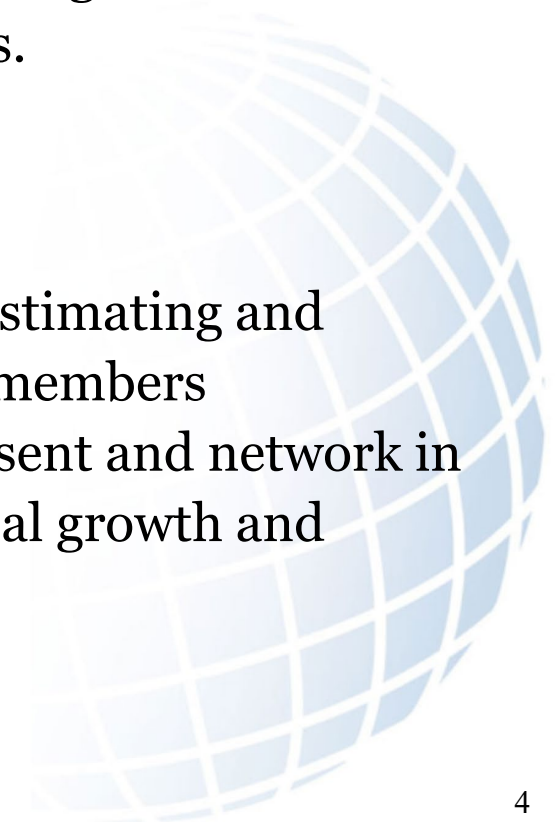
To be universally recognized for developing, disseminating and advocating best practices that maximize the value of the global cost estimating and analysis community to public and private sector resource decision makers.



Mission Statement

ICEAA is an international non-profit organization dedicated to advancing, encouraging, promoting and enhancing the profession of cost estimating and analysis, through the use of parametrics and other data-driven techniques.

We strive to facilitate the success of the cost estimating and analysis community of practice by providing members opportunities to learn, teach, collaborate, present and network in a collegial environment devoted to professional growth and success.



2022-2023 President's KPIs

1. Keep People Interested
2. Keep People Involved
3. Keep People Informed
4. Keep People Inspired



2023-2025 Executive Committee Introductions



Christina N. Snyder,
CCEA®
International President



Kellie Wutzke, CCEA®
Executive Vice President



Jenniffer Kirchhoffer,
CCEA®
Vice President of
Professional
Development



Arlene Minkiewicz
Secretary



Madeleine Teller,
CCEA®
Treasurer



Bob Hunt
Past President



2023-2025 Board of Directors



At-Large Director
Carol Dekkers



Region 3 Director
Christian Smart



Region 7 Director
Wendy Robello



At-Large Director
Rich Hartley



Region 4 Director
Jennifer Scheel



Australia Region
Director
Anh Pham Waddell



Region 1 Director
Cari Pullen



Region 5 Director
Dave Brown



Canada Region
Director
Mike Lionais



Region 2 Director
Timothy Anderson



Region 6 Director
Brent Johnstone



Europe/UK Region
Director
**Sanathanan
Rajagopal**

Professional Development Materials CEBoK and CEBoK-S

Jennifer Kirchhoffer, VP Professional Development



CEBoK® v2.0

CEBoK-S

- A collection of PowerPoint, Excel, and PDF files
- Available for purchase (and download) online at <https://members.iceaaonline.com/store>
- Complete CEBoK-S: \$595 members / \$745 non-members

CEBoK® 2.0

- Browser-based Wikipedia-style website
 - Free for current ICEAA members when logged in at ICEAA Portal
- ICEAA membership: \$150/year

CEBoK: Cost Estimating Body of Knowledge (CEBoK®)

- *User-friendly, browser-based cost estimating and analysis training resource website (wiki format)*
- *Organized into 16 interactive modules within five general subject areas*
- *Covers all of the topics that represent the body of knowledge that ICEAA promotes and tests for in the CCEA® and PCEA exams*
- *Designed to facilitate self-study and study in small groups, or can be used effectively in a classroom environment*
- *FREE for all active ICEAA members.*

members.iceaaonline.com/members/public_profile.asp?view=0

ICEAA

Welcome, Jennifer S. Kirchhoffer

My Profile Quick Links

- Online Store
- Join
- ICEAA Main Homepage
- My ICEAA Classroom
- CEBoK 2.0**
- CCEA Points Tracker
- Tecolote Research, Inc.

Contact Info

Mrs. Jennifer S Kirchhoffer

jkirchhoffer@tecolote.com

5517 Grasmere Dr

About

Profile Completeness: 89%

Professional Information

Organization Name: Tecolote Research, Inc.

Title: General Manager

Address: 5517 Grasmere Dr, Plano, Texas

Link to CEBoK

wikidev.iceaaonline.com/wiki/Main_Page

main page discussion view source history

CEBoK 2.0

Main Page

Acronyms

Contents [hide]

- Unit I - Cost Estimating
 - 1.1 Module 1 - Cost Estimating Basics
 - 1.2 Module 2 - Costing Techniques
 - 1.3 Module 3 - Parametric Estimating
- Unit II - Cost Analysis Techniques
 - 2.1 Module 4 - Data Collection and Normalization
 - 2.2 Module 5 - Inflation and Index Numbers
- Unit III - Analytical Methods
 - 3.1 Module 6 - Basic Data Analysis Principles
 - 3.2 Module 7 - Learning Curve Analysis
 - 3.3 Module 8 - Regression Analysis
 - 3.4 Module 9 - Cost and Schedule Risk Analysis
 - 3.5 Module 10 - Probability and Statistics
- Unit IV - Specialized Costing
 - 4.1 Module 11 - Manufacturing Cost Estimating
 - 4.2 Module 12 - Software Cost Estimating

navigation

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search

Search CEBoKWikiC

Go Search

tools

- What links here
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CEBoK-S: Cost Estimating Body of Knowledge - Software

- Provides guidance on the essential considerations in software cost estimating, demonstrates all software sizing methods, and allows users to draw their own conclusions about the merits of any given method
- Provides instructions for undertaking software estimates regarding development effort and cost, sustainment and maintenance, and comparing procured solutions vs. commercial off-the-shelf software, as well as a guide for reviewing another party's software size, development costs, and sustainment and maintenance schedules
- Builds upon the cost estimating best practices outlined in CEBoK by tailoring lessons on core cost estimating tenets like maturity models, risk, uncertainty, data analysis, and data normalization to the specific uses and applications when estimating software
- CEBoK-S is available at the ICEAA store, available for purchase in PDF format: <https://members.iceaaonline.com/store>

The screenshot shows the ICEAA Online Store interface. At the top, there's a navigation bar with the ICEAA logo and links for 'ICEAA Main', 'My Profile', 'ICEAA Store', 'CEBoK 2.0', and 'ICEAA Classroom'. Below this is a 'Main Storefront' section with a search bar and a 'Find' button. Several product cards are displayed, including 'CEBoK Training Video Bundle: All 12 Videos', 'CEBoK-S 10-PDF Training Material Bundle', and 'CEBoK On-demand training videos'. A note below the products states: 'This is the online store, where you can sign up for one of our certification exams, or access to our premiere webinars.'

CEBoK-S Lesson Summary



ICEAA Certification Program Overview

Kevin Cincotta, Certification Principal



CCEA[®], PCEA[®], and SCEC Certifications

CCEA[®]

ICEAA's Primary Professional Certification
Valid for five years
Renewable Through Points System
Requires Passing Parts I & II of the Exam

PCEA[®]

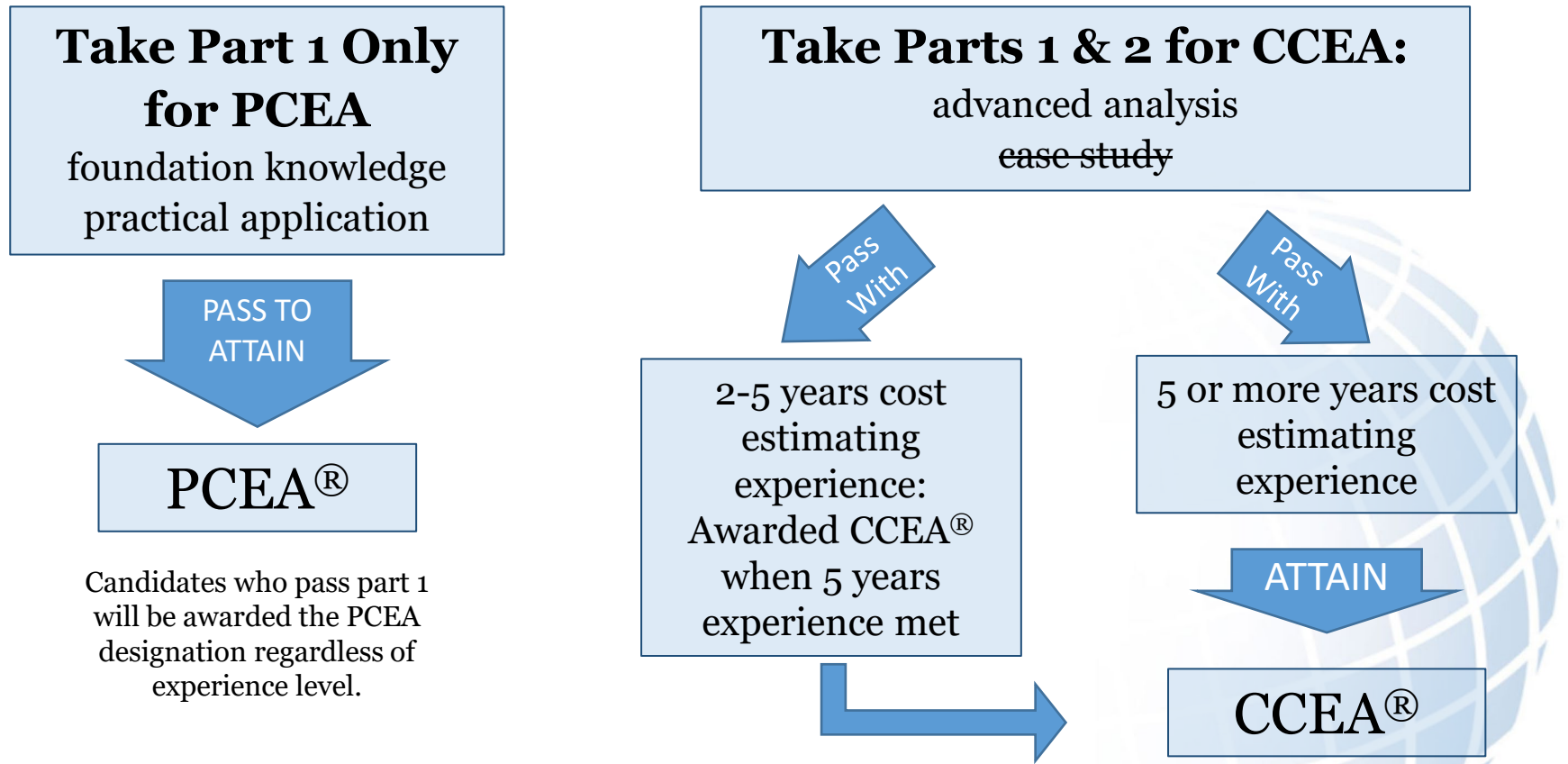
ICEAA's Apprentice-Level Certification
Valid for three years
Requires Passing Part I of the Exam
Renewable by Exam Re-Take Only

SCEC

Software Cost Estimator Certification
Demonstrates mastery of software estimation
Valid for five years
Renewable by Points System

- Provide professional credentials that set the standard for the entire cost estimating and analysis community
- Offer employers and individuals a means of distinguishing and achieving excellence. Certification serves as a measure of an individual's mastery of the basic and intermediate knowledge in cost estimating and analysis
- Strengthen the individual's and their organization's ability to produce quality cost estimates and analyses

CCEA/PCEA Certification Exam: Two Parts



To be awarded CCEA, candidates must pass both parts of the exam and have a college degree and 5 years of cost estimating (or related) experience.

SCEC Certification Exam

Take SCEC Exam

foundation knowledge
of software cost estimating
**(requires 2 years of relevant
cost or software related
experience)**

PASS TO
ATTAIN

SCEC



Certification Application

- Complete the application at www.iceaaonline.com/application
- Wait for approval from ICEAA
- Log in to pay your exam fee www.iceaaonline.com/login

*If you prefer to manually take the exam with a live proctor, you may request it and incur a 20% surcharge to cover printing, shipping, and other coordination.

Comparing The Exam

Exam & Time Allotted	Number of Questions & Question Bank	General Nature of Questions	Pass Rate%	Median Score & Required Passing Score	Cronbach's Alpha & Number of "Poor" Questions
PCEA (2 hours)	60, 90	Conceptual, single-step	54.0%	71.7% / 70.0%	83.7% (0/90)
CCEA (2 hours)	50, 75	Abstracted, multi-step	49%*	70% / 70.0%*	77.4% (1/75)
SCEC (1.5 hours)	50, 110	Terminology and calculations	TBD – sample too small	70.0% passing score	TBD

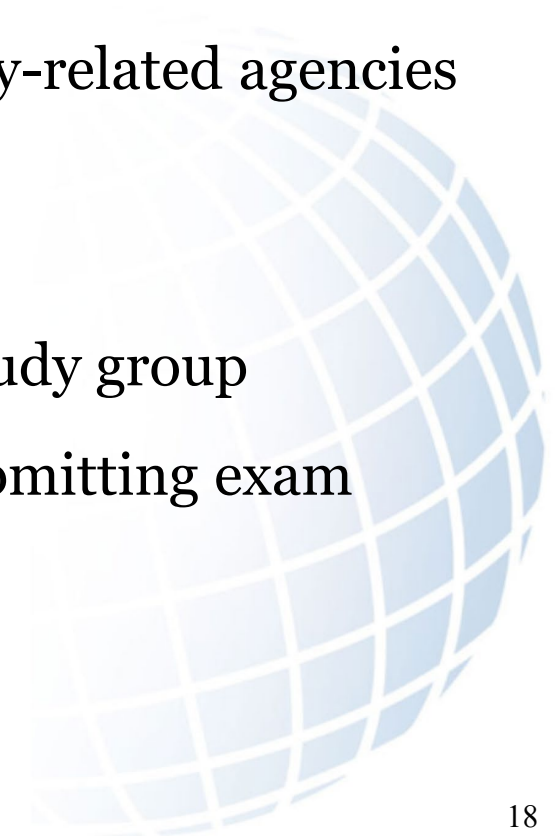
Cronbach's alpha is a measure of exam performance on a scale of 0% to 100% (higher is better). It is based on the correlation of performance on each question to performance on the overall exam. A "poor" question is one with a **negative** correlation (high-performers get it wrong; low-

* **Note** – calculated based on best score from each exam candidate (e.g. for candidates who took the exam multiple times, only their best score is included in the analysis)

Cronbach's alpha	Internal consistency
$\alpha \geq 0.9$	Excellent
$0.9 > \alpha \geq 0.8$	Good
$0.8 > \alpha \geq 0.7$	Acceptable
$0.7 > \alpha \geq 0.6$	Questionable
$0.6 > \alpha \geq 0.5$	Poor
$0.5 > \alpha$	Unacceptable

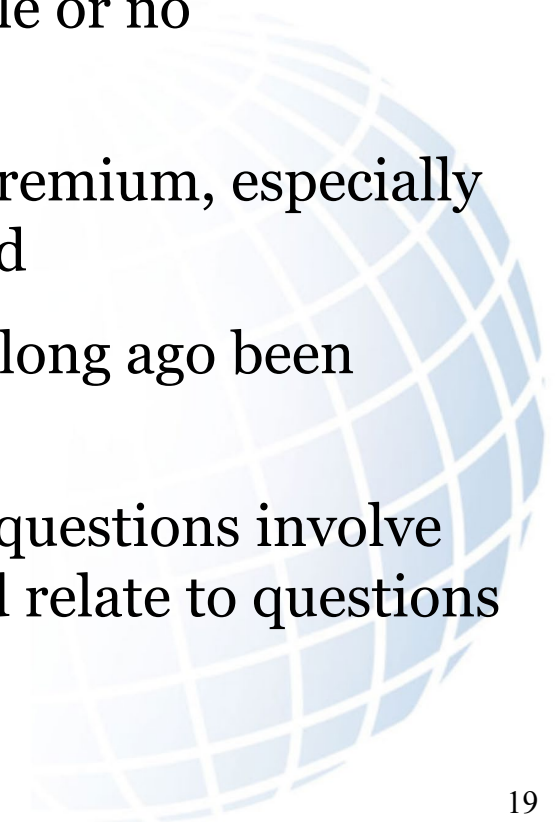
Predictors of Exam Success

- Taken exam previously
- 3-20 years of experience
- Experience supporting US national security-related agencies (e.g., DoD, DHS)
- CEBoK study
- Participation in an employer-sponsored study group
- Experience teaching one or modules or submitting exam questions



Other Notes

- Exams favor breadth over depth
- They “even out” experience. You will almost certainly find questions on an area in which you have little or no professional experience
- Quantitative and deductive skills are at a premium, especially on CCEA, but no advanced math is required
- There are no “trick questions.” These have long ago been “vetted out.”
- The great majority of protests about exam questions involve questions come from passing students, and relate to questions that the exam-taker **got right**



Current Fees

<i>Exam</i>	<i>Member Rate*</i>	<i>Non-Member Rate*</i>
CCEA Full Exam	\$300.00	\$475.00
PCEA	\$165.00	\$275.00
CCEA Part 2	\$165.00	\$250.00
SCEC	\$350.00	\$515.00
<i>Exam Re-Takes</i>		
CCEA Full Exam	\$115.00	\$115.00
PCEA	\$65.00	\$65.00
CCEA Part 2	\$75.00	\$75.00
SCEC	\$170.00	\$170.00

- CEBoK-S: \$595 members/\$745 non-members
- ICEAA Membership: \$150/year

Getting Recertified

And why it pays to start early!

Kellie Wutzke



Why?

Having an ICEAA certification boosts your professional qualifications, helps your company win new work, and establishes you as a member of a community of experts in the field of cost estimating and analysis.



Recertification Requirements

You need thirty points over five years

Failure to meet this requirement means re-taking the exam



Experience: 3 pts/year = 15 pts



ICEAA Membership: 1 pt/year = 5 pts



ICEAA Workshop: 2 pts/year = 10 pts

Other Ways to Earn Points

Passive Points	
Professional Experience	3 pts / year
ICEAA or related Membership	1 pt / year

Active Points	
Attending Conferences	2 points/ workshop
Leadership Role	3 points / year / role
Contributing to working group/committee/event/publication	1 pt per role per year
National Award	3 points
Chapter Award	2 points
Employer or Other Award	1 point
Related University / College Course	1 point / credit up to 3 for a semester
Attending industry training	0.1 point/hour
Teaching, lecturing, presenting (45-90 min)	1 point per session
Teaching, lecturing, presenting (> 90 min)	2 points per session
Writing and publishing articles	3 points per published article
Writing and publishing technical articles	5 points per published article
YouTube CCEA Videos (https://www.youtube.com/@internationalcostestimatin6478/playlists)	0.1 point / each
Ad hoc activities	0.1 point/hour

Would You Rather...



Volunteer 20 hours per year
OR
Volunteer 100 hours in one year?



Teach 2 lunch and learns per year
OR
Teach 10 lunch and learns in one year?



Take 20 hours training per year
OR
Take 100 hours training in one year?



Attend the ICEAA Workshop each year
OR
Attend 5 Cost estimating conferences in one year?



Publish one paper each year
OR
Publish 2-4 papers in one year?

ICEAA Websites Demo

Megan Jones, Executive Director



Financial Position

Madeleine Teller
ICEAA Treasurer

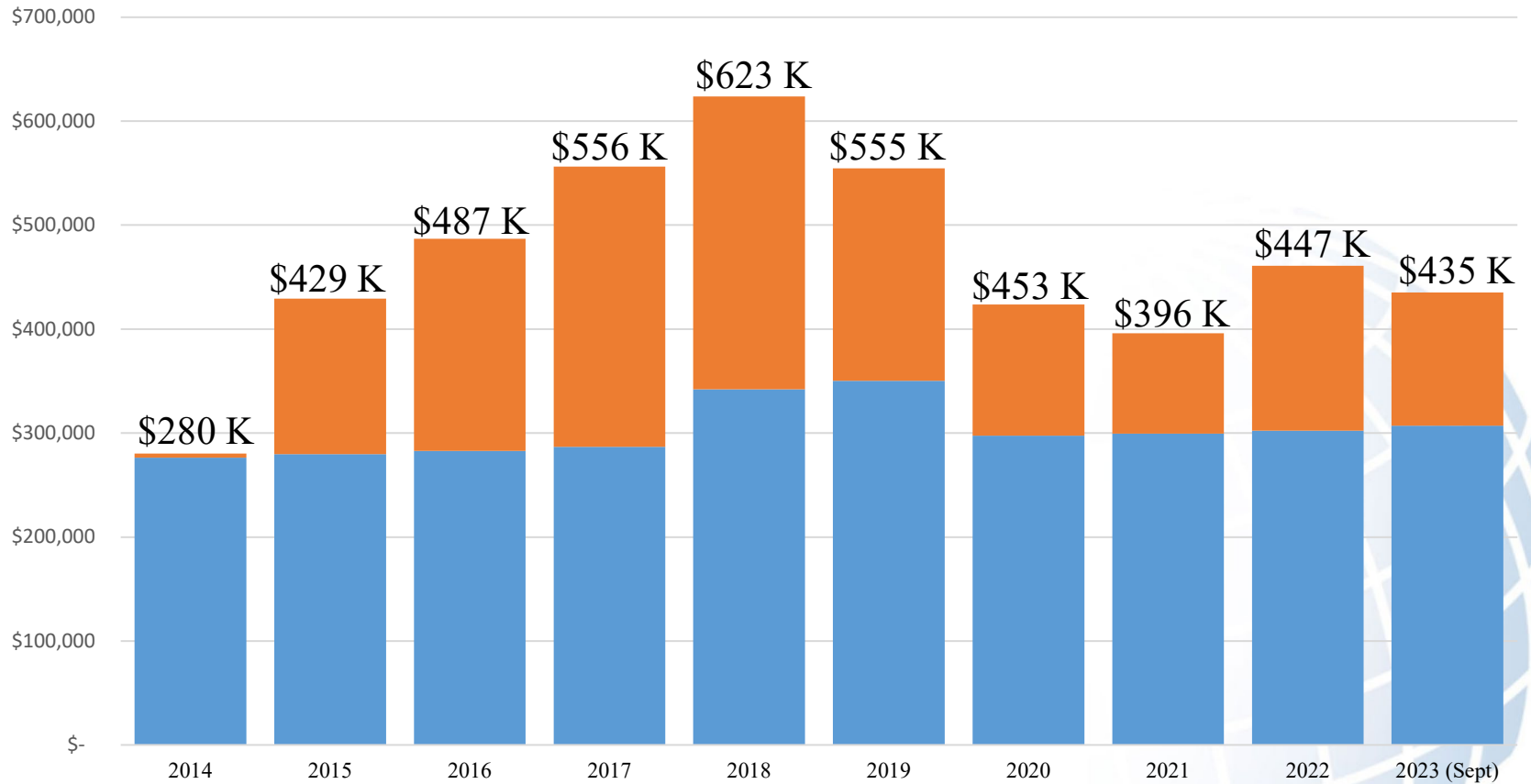


2023 Financial Outlook

- Overall financial position positive, still recovering from COVID slowdowns
- 2023 Workshop well attended, however, high costs negatively impacted revenue
- Expect to receive \$50,000 in COVID grant money in 2023



Balance Sheet 2014-2023

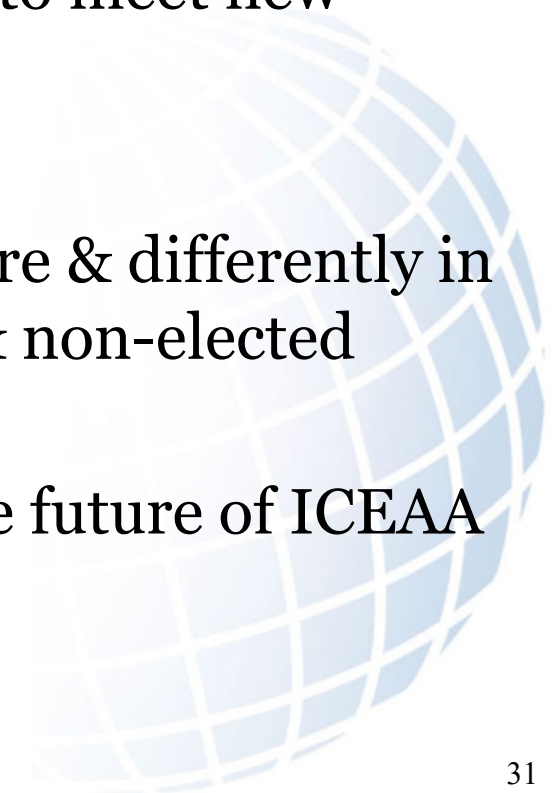


Women in Cost Estimating

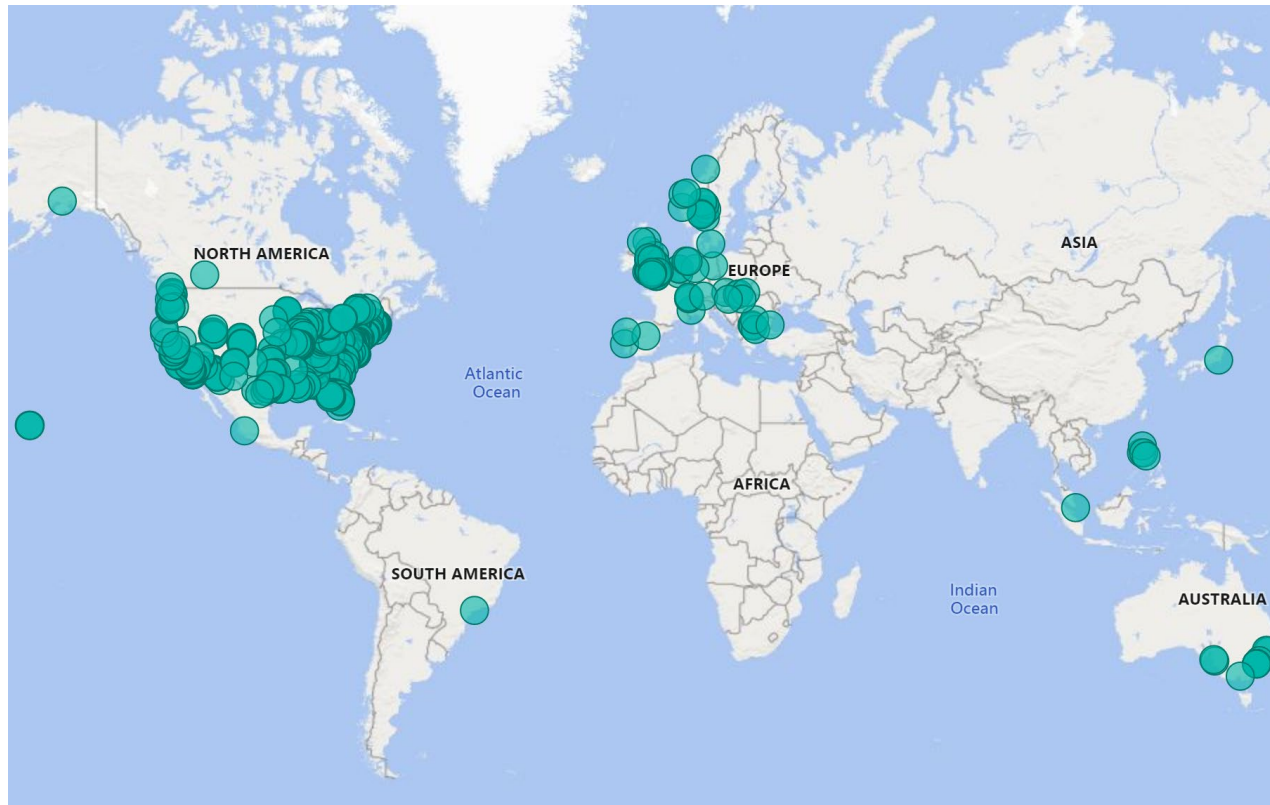
Christina Snyder

Call to Action

- Women in Cost Estimating Group not exclusive to women
- Smaller group, additional opportunity to meet new contacts, share ideas
- Growth of your professional network
- Spark your interest in contributing more & differently in the future (e.g., volunteering, elected & non-elected positions)
- Start conversations that will impact the future of ICEAA and the profession
- Search for and join us on LinkedIn!



How much impact could we have?



From the Desk of the Secretary

Arlene Minkiewicz
ICEAA Secretary

CEBoK-S Training



ICEAA

CEBoK-S Training

October 24-26, 2023



nesma

Delft, the Netherlands



In-person training on ICEAA's
Cost Estimating Body of Knowledge - Software
and preparation for the SCEC Exam

Register today for interactive sessions covering all nine
CEBoK-S modules instructed by international experts

<https://nesma.org/cebok-s-training/>



Webinar Tomorrow: 9am (eastern)

ICEAA International Cost Estimating and Analysis Association

The future of IT Cost Estimation?

ICEAA Software SIG Panel Discussion
Virtual presentation via Zoom

CEBoK-S

September 21, 2023

Bob Hunt
ICEAA-SW

Megan Jones
ICEAA

Frank Vogelezang
IDC Metri

Arlene Minkiewicz
Unison Cost Engineering

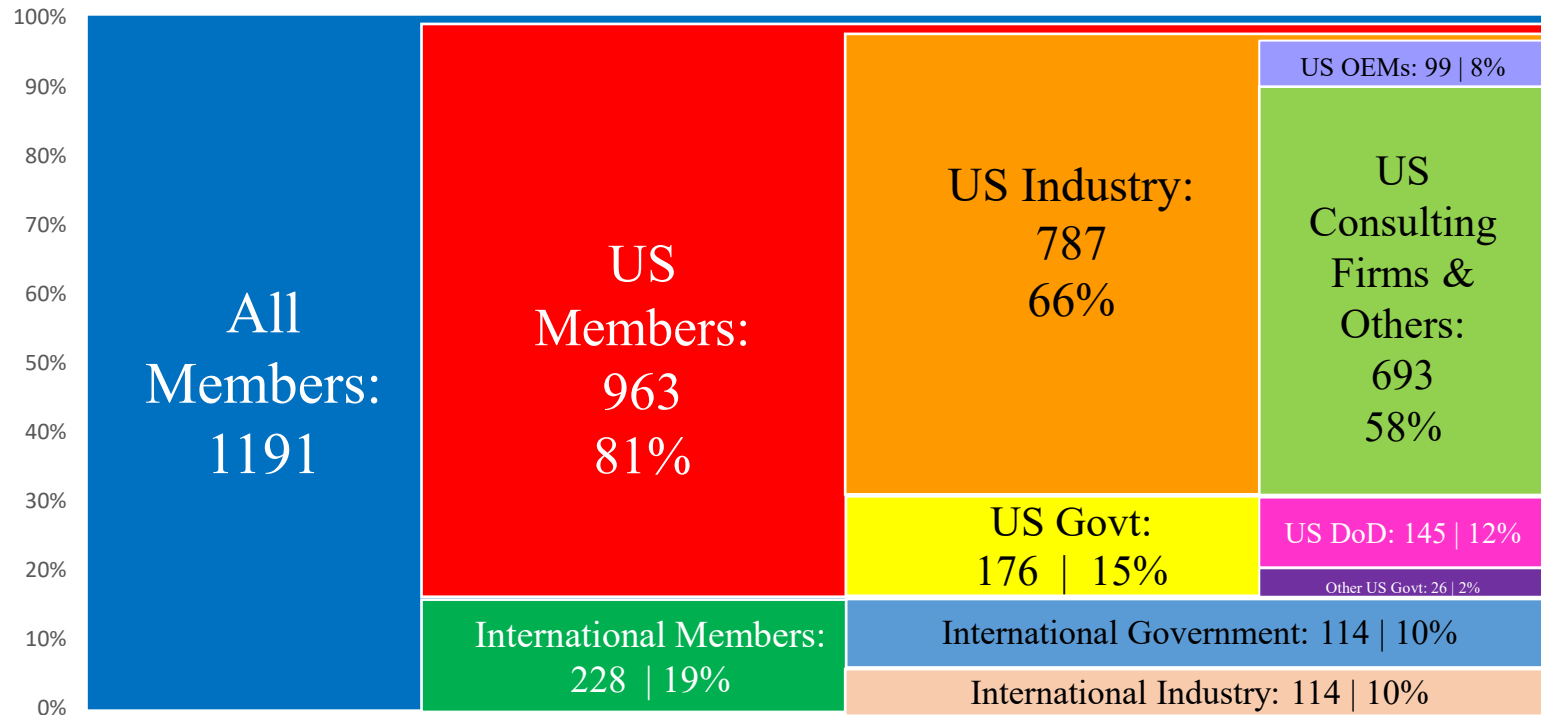
Sanathanan Rajagopal
Sirius Analysis LTD

ICEAA Membership Composition & Opportunities

Megan Jones

ICEAA Executive Director

Membership Composition 2023



As of 5 Sept 2023

Call for Papers deadline November 1!



PROFESSIONAL DEVELOPMENT & TRAINING WORKSHOP
MAY 14-16, 2024 • MINNEAPOLIS
ABSTRACT SUMMARIES DUE NOVEMBER 1, 2023



iceaonline.com/min24cfp

Workshop Feedback

Which topics would you like to see covered or covered more thoroughly at future Workshops?



Cost Challenge is Coming Back!



Details and team signup
coming in January!

Cost of Everything Podcast



The Cost of Everything Podcast
Special
ICEAA Workshop
Episode

*Hear from the participants who attended,
why they decided to join and
what they got out of the sessions*

Search *Cost of Everything* on
Spotify, Apple Podcasts, Amazon Music....

Start thinking about nominees



2024 ICEAA Awards
recognizing

- ★ Outstanding ICEAA members who have made a difference in the profession
- ★ Individuals or teams whose work leaps beyond the forefront
- ★ Emerging superstars with a blindingly bright future
- ★ Pillars of the community whose years of dedication have strengthened all of us

Nominate shining stars by March 11 at
iceaaonline.com/awards

Project Controls Expo USA



Project Controls
EXPO
Washington, DC - USA

Supported By:
ICEAA

Register now
with promo code

EICEA10%

to get **10% off** on
ticket prices

25-27 September 2023
Nationals Park, Washington DC

The graphic features a blue background with a white grid pattern on the right side. At the top left is the Project Controls EXPO logo, and at the top right is the ICEAA logo. The central text is white and yellow, with the promo code 'EICEA10%' in a yellow box. Below the text is a photograph of a diverse group of people in business attire sitting in an audience.

Around Chapterland

- Washington Capital Area Chapter (DC)
Chapter FY23 Year-End Calibration
September 28, 2023
5:00-8:00pm
PunchBowl Social, Arlington VA
- SoCal Chapter Workshop
October 17, 2023
Details to come!



Answering your questions

Member Question

*status of iceaa canada - is it still active?
how can i be part of the organization?
contact info on the website seems out of date*

- ICEAA Canada Chapter being reorganized
- New Canada Region Director Mike Lionais looking for volunteers
- Contact iceaa@iceaaonline.org to get involved

Closing Comment