

2016 Annual Report

Building Business Value.

#### OUR VISION

CII envisions a construction industry that builds predictable value for society and stakeholders.

#### OUR MISSION

The mission of CII is to inspire owners, contractors/suppliers, and academia to collaborate through research to produce best practices and implementation resources, creating innovative solutions that tangibly improve safety and capital efficiency.

#### FROM OUR DIRECTOR

# Introducing the New CII.

Dear Valued CII Members:

Our 2016 was a busy year. As you know, the world looks to CII to advance the capital projects business. Since its founding in 1983, the Institute has developed a global reputation for making the industry's projects safer, more productive, and increasingly predictable. But a great reputation comes with the responsibility and obligation to continually do more. CII made a number of significant changes in 2016 to accelerate the pace of industry advancement and dramatically increase the scale of business results possible from capital projects.

This year's Annual Report outlines these changes and the impact that they're already having on CII's members and the industry at large. 34 YEARS 7 COUNTRIES

MEMBERS

# Turning ideas into action.

To support the work of the Sector Committees and promote collaboration, CII created four repurposed functional committees, known as Standing Committees, along with Membership and Communications. At their core, these committees are designed to work across all sectors with a focus on the following areas:

#### **Funded Studies**

to help choose research topics

#### Implementation

to help members use this research, which includes overseeing a new Registered Advisor Program (RAP) of select independent consultants who can become certified to implement CII tools, methods, and change programs

Performance Assessment to determine how to

Professional Development to train people to implement the research successfully

## Membership and

measure success

Communications to promote growth and share knowledge and successes across all sectors

#### CII'S BOLD TRANSFORMATION

In April, CII's Board of Advisors approved a new governance structure featuring **five new sector-specific committees**, **four repurposed functional committees**, **and three leadership committees**. Although the total number of committees has remained the same, CII is now able to create research and products tailored to the business needs of each industry sector while positioning the industry for the future. The Institute's forward-looking, "overarching" research and development program is now designed to investigate major areas with breakthrough potential as identified by the Board of Advisors and the leadership committees. This helps move CII beyond incremental gains to achieve results that were previously unthinkable.

#### RENEWED FOCUS ON IMPLEMENTATION



After several years of development, CII launched the new Knowledge Base

at the Annual Conference in August. **The Knowledge Base is the foundation for the industry's future — it leverages three decades of CII research in a user-friendly, online format complete with the key findings and resources members need to quickly understand and assimilate learning.** However, unless the findings are put into action, CII's research risks becoming just another report on a website. This is the Institute's largest challenge – to leverage our research and development (R&D) activities to actually deliver measurable business results (as opposed to driving awareness and understanding). To meet this challenge, CII is rethinking how our members should use the human, financial, and technological resources at their disposal. Our Implementation, Professional Development, and Performance Assessment Committees now work in parallel with Research Teams so that members have all the resources they need to deliver improved business results through the capital projects they plan and execute.

#### INTERESTING TRENDS

The realms of corporate finance and capital projects are on a collision course that is spawning new organizations and different forms of value creation. Developers, commonly found only in commercial construction, have migrated to all sectors of the capital projects business. Project completion is no longer a technical definition, but often a balance sheet algorithm as well. CII's members are not immune to these changes. Fortunately, CII is able to stay ahead of these and other trends by conducting the research and development that positions capital projects for the future. In 2016, the Institute began casting a wider net to gather the best minds from all facets of academia and business to ensure that all issues and aspects are fully considered in the creation of solutions. Our committees were challenged to do the extraordinary and move beyond ordinary topics to seize on bold initiatives that will provide enhanced business value at both sector and industry levels. CII's committees are rising to the challenge. The overall number of volunteers involved in CII activities is up. The energy level of our members is up. It's apparent: CII's leadership is creating what's next in capital projects.

#### CURRENT CHALLENGES

OF PROJECTS OVER \$1B EXHIBIT AVERAGE COST OVERRUNS OF

80%

BRENDAN BECHTEL CII, AC 2016

#### YOUR INSTITUTE

2016 marked the first 12 months of our 18-month evolution to create a revolution in the capital projects business. The transition is going well. Besides changes to CII's committee structure and a laser-focus on business results, the Institute has also strengthened and expanded our partnerships around the world. Currently, CII has affiliates for its R&D efforts in Canada, Norway, Saudi Arabia, South Africa, Singapore and South Korea, and we continue to look for opportunities in new regions as well. Our global reach affords CII the benefits of expanded collaboration with additional universities and organizations that offer different and new perspectives. Ultimately, though, the future of our industry is dependent on you. CII needs you to invite colleagues from other departments in your company and colleagues from different organizations to participate in CII activities. Doing so gives the Institute the intellectual merit it needs to create the broad impact that you desire. It also allows us to honor the legacy of our 2016 Chairman Mike Elliott, who recently passed, by advancing the work of the Institute that he so ardently supported.

#### A BRIGHT OUTLOOK

CII was fortunate to have Brendan Bechtel keynote our Annual Conference in August. While he shared his optimism for our industry's future, he also highlighted symptoms of its current state: 98% of megaprojects (over \$1 billion) are considered failures, exhibiting average cost overruns of 80% and average schedule losses of 20 months. We can do better. While I'm confident that CII can create the path forward, I'm also committed to the idea that most of the solutions for our industry's future won't resemble the strategies of the past. Precisely because the world looks to CII to advance the capital projects business, our collective work continues to be incredibly important. Important to the people who (knowingly or not) depend on our industry every moment of every day. We build the hospitals that care for people, facilities that manufacture medicines and products, projects that create energy, and infrastructure to transport everything to where it's needed. Capital projects are the vehicle that improves people's standard of living. CII is the engine that makes capital projects better!

**CII ADVANTAGE** 

10% THE COMBINED COST ADVANTAGE FOR OWNER/ CONTRACTOR CONSTRUCTION TEAMS THAT USE CII RESEARCH

Stephen Mulva Director



Capital projects are the vehicle that improves people's standard of living. CII is the engine that makes capital projects better. INDUSTRY SECTORS

# Breaking New Ground with Bold Ideas.

Sector Research Initiatives



Facilities and Healthcare

Beyond capital cost, how does the built environment impact the business case for a project?

BUSINESS IMPERATIVES

Renovation/Revamping of Existing Facilities

Portfolio Management

Technology Impacts to Construction Management (ex. BIM)

Life Cycle Costs



Power, Utilities and Infrastructure

What is the regulatory impact on projects for their full life cycle?

How can we improve the materials flow and visibility of the supply chain?

**BUSINESS IMPERATIVES** 

System Reliability

Capital Efficiency

**Customer Affordability** 

Government Regulations

Siting and Location of Projects Environmentally Controlled

Cannot Set Own Prices

CII's next-generation strategy includes expanding membership into more diverse areas within the capital projects industry. In 2016, we identified five industry sectors and created committees to represent each sector. Each committee develops policy and programs, and oversees research initiatives driven by the key business imperatives for their sectors.

Our goal is to enable more and different kinds of companies to have a voice – to ask the kinds of questions that are most relevant to their businesses – and produce research that can be applied directly to their capital projects. We see opportunities for more diverse thinking and even greater innovation that will increase the value CII delivers to its members.

We also see opportunities deliver more robust research results more quickly. To keep work focused and productive, each sector committee will conduct no more than two research initiatives at a time. Every initiative will be fully formed, which means the results will include educational products and services, such as videos or events, and key performance indicators. CII members also will have access to Registered Advisors who are select independent consultants certified to implement CII tools, methods, and change programs. In other words, members will gain the tools and resources they need to apply the research successfully.



# Manufacturing and Life Sciences

How can the Manufacturing and Life Sciences sector develop a methodology for generalizing a long lead facility with an undefined manufacturing process?

How can we create a more applicable Project Definition Rating Index for the Manufacturing and Life Sciences sector?

#### BUSINESS IMPERATIVES

Improve Speed to Market

Labor Availability

**Reduce Costs** 

Improve Capital Productivity



# Downstream and Chemicals

How do we double productivity?

How can we create a construction readiness assessment?

BUSINESS IMPERATIVES

Health and Safety Environment

Predictability

Transparency

Competitiveness

Improved Delivery Process Flexibility (Agility, Speed)



Upstream, Midstream and Mining

How can we achieve a higher level of facility design standardization in the Upstream, Midstream and Mining sector?

How can we best use CII's 17 best practices?

BUSINESS IMPERATIVES

**Capital Effectiveness** 

Performance Predictability

Performance Agility

# Driving Change.

## Honoring Outstanding Leadership and Commitment

CARROLL H. DUNN AWARD OF EXCELLENCE

### Bernard Amadei



This year's honoree, Dr. Bernard Amadei, Professor of Civil Engineering at the University of Colorado Boulder, is changing the world through engineering. His highly distinguished career of teaching and global industry

leadership continues to reflect innovative thinking, creative collaboration and a call to the engineering community to contribute to the building of a more sustainable, stable and equitable world. As the founder of Engineers Without Borders – USA and co-founder of Engineers Without Borders - International, Amadei believes that global citizen engineers are called to operate in a multi-cultural world in which they deliver solutions that are done right from a technical point of view, are the right solutions for the planet and its people, and are developed for the right reasons. The Engineers Without Borders (EWB) network transforms lives and communities through engineering projects designed to empower communities to meet their basic human needs and equip leaders to solve the world's most pressing challenges. His ongoing work continues to challenge the engineering and construction industry and push boundaries to improve our world.

## RICHARD L. TUCKER LEADERSHIP AND SERVICE AWARD

# Jerry Eyink



For more than 30 years, Jerry Eyink has been a devoted and active member of CII whose outstanding involvement and volunteer efforts include a number of leadership roles. Eyink served on CII's Executive Committee from

2005-2007 and the Executive Advisory Council in 2009. In 2008, he received CII's Distinguished Service Award for his leadership and demonstrated commitment to improving the cost effectiveness of the capital project life cycle. Throughout his decades of service, he has also served on CII's Board of Advisors, Strategic Planning Committee, Implementation Strategy Committee, Education Committees, Annual Conference Committee, Knowledge Management Committee and Research Teams. Eyink is an instructor for CII's Executive Leadership Program, and he most recently helped manage a team of more than 200 volunteers to launch CII's new Knowledge Base, which has transformed access to three decades of industry knowledge. For Eyink, this prestigious "Tucker Award" holds particular meaning, as Richard Tucker was the person who inspired Eyink in 1985 to participate in CII.

#### ABOUT THE AWARD

As one of our industry's most prestigious recognitions, this award was named in honor of Carroll H. Dunn, Project Director of the Construction Industry Cost Effectiveness Project, which formed the foundation of CII, to honor an individual for significant achievements in improving the engineering and construction industry.

#### ABOUT THE AWARD

Named for Dr. Richard L. Tucker, who led the founding of CII in 1983, this award recognizes individuals who have made a significant contribution to CII's mission and success.

### **CII** Members

#### OWNERS

#### Abbott

Ameren Corporation American Transmission Company, LLC Anadarko Petroleum Corporation Anheuser-Busch InBev Aramco Services Company ArcelorMittal Architect of the Capitol Ascend Performance Materials AstraZeneca BP America, Inc. Cargill, Inc. Chevron ConocoPhillips Consolidated Edison Company of New York The Dow Chemical Company DTE Energy Eastman Chemical Company Eli Lilly and Company Enbridge, Inc. EnLink Midstream

ExxonMobil Corporation General Electric Company General Motors Company GlaxoSmithKline **Global Infrastructure Partners** Greater Toronto Airports Authority Honeywell International, Inc. Huntsman Corporation Irving Oil Limited Kaiser Permanente Koch Industries, Inc. LyondellBasell Marathon Petroleum Corporation National Aeronautics & Space Administration NOVA Chemicals Corporation Occidental Petroleum Corporation ONEOK, Inc. Ontario Power Generation Petroleo Brasileiro S/A - Petrobras Petronas Phillips 66

**Pioneer Natural Resources** Potash Corporation of Saskatchewan The Procter & Gamble Company Public Service Electric & Gas Company Reliance Industries Limited (RIL) SABIC - Saudi Basic Industries Corporation Shell Global Solutions US. Inc. Smithsonian Institution Southern Company Tennessee Valley Authority **Tesoro** Corporation TransCanada Corporation U.S. Army Corps of Engineers U.S. Department of Commerce/ NIST/EL U.S. Department of Defense/Tricare Management Activity U.S. Department of Energy U.S. Department of State U.S. Department of Veterans Affairs U.S. General Services Administration The Williams Companies, Inc.

#### CONTRACTORS

#### AECOM

Affiliated Construction Services, Inc. AMEC Foster Wheeler Atlas **RFID** Solutions Autodesk, Inc. AZCO, Inc. Baker Concrete Construction, Inc. **Barton Malow Company** Bechtel Group, Inc. Benham, A Haskell Company Bentley Systems, Inc. Bilfinger Industrial Services, Inc. Black & Veatch **Burns & McDonnell** CB&I CCC Group **CDI** Corporation CH2M Construtora Norberto Odebrecht S.A. Continuum Advisory Group Coreworx, Inc. **CRB Builders, LLC** CSA Central, Inc.

Day & Zimmermann Eichleay, Inc. Emerson Enstoa, Inc. ePM Faithful+Gould Fluor Corporation Hargrove Engineers + Constructors Hilti Corporation I.M.P.A.C.T. **IHI E&C International Corporation** IHS Jacobs JMJ Associates, LLC JV Driver Projects, Inc. KBR **Kiewit Corporation** Lauren Engineers & Constructors, Inc. Matrix Service Company McCarthy Building Companies, Inc. McKinsey & Company, Inc. Midwest Steel, Inc. Parsons

Pathfinder. LLC PCL Constructors, Inc. PricewaterhouseCoopers Advisory Services, LLC PTAG, Inc. Quality Execution, Inc. **Richard Industrial Group** S & B Engineers and Constructors, Ltd. SBM Offshore Skanska USA SNC-Lavalin Constructors, Inc. Supreme Group Technip UniversalPegasus International Victaulic Wanzek Construction, Inc. The Weitz Company, Inc. Wilhelm Construction, Inc. Wood Group WorleyParsons Zachry Group Zurich

For more information about joining CII, please visit www.construction-institute.org

# Collaboration That Delivers Business Results.

CII has long understood the benefit of teamwork. As part of CII's transformation, its work with Process Industry Practices (PIP) and Fiatech to deliver business results from capital projects has become more important than ever.



For more than two decades, Process Industry Practices (PIP) has been developing and implementing common industry practices for facility design, procurement, construction, operations and maintenance that help reduce a facility's total cost of ownership. It is a self-funded consortium of process industry owners and engineering construction contractors organized under the Institute inside the Cockrell School of Engineering at The University of Texas at Austin. More than 300 members and volunteers worldwide collaborate to harmonize internal company standards and best practices into industry-wide PIP Practices for members to use. Today, there are more than 600 PIP Practices in 12 engineering disciplines.



CII established Fiatech more than 15 years ago to identify and develop new technologies to enable capital project efficiencies. Because technology today has become so integral to all areas of business, Fiatech and CII decided in 2016 to more closely integrate their operations. Fiatech will continue to advance technology research and adoption as part of the larger CII strategic effort to drive business results.



### **PIP Member List**

#### OWNERS

**3M Company** Aera Energy Agrium Aramco Archer Daniels Midland Arkema Ascend Performance Materials **Axiall Corporation** BASF Corp. BP Celanese Centrica Chemours Co. Chemtura Chevron CITGO **Compass Minerals** 

ConocoPhillips **Devon Energy** DuPont Fastman **Evonik** ExxonMobil **Firestone Polymers** Flint Hills Resources FMC FutureFuel Chemical Co. GIS/A NANA Co. Grupo Petrotemex - GPT Hargrove & Assoc. Hempel Hess Corporation Hexion HollyFrontier

Honeywell Honeywell UOP Huntsman **INEOS Olefins & Polymers INEOS Styrolution** Invista Koch Industries, Inc. The Lubrizol Corp. LyondellBasell Mallinckrodt Monsanto Mosaic Fertilizer NORAM E&C Nuclear Fuel Services Occidental Oil & Gas OLIN Corp. Pasadena Refining

PESRM (Philadelphia Energy Solutions R&M) Phillips 66 Pioneer Natural Resources PVS Chemicals REC Silicon RES Kaidi REXtac, LLC Saudi Basic Industries Corporation – SABIC Sekisui Specialty Chemicals Tesoro Corporation WestRock Zeon Chemicals L.P.

#### CONTRACTORS

AECOM Ambitech Audubon Babcock & Wilcox Bechtel Benham Burns & McDonnell Burrow Global CB&I CDI Corporation CH2M HILL Chart Energy Chiyoda Corporation ENGlobal Engineering Fluor HQC IHI E&C International Corporation Jacobs JGC America KBR Kiewit Engineering & Design Merrick & Company Middough OnQuest Preferred Engineering Ref-Chem S & B Engineers and Constructors Samsung SK E&C USA SNC-Lavalin Technip WorleyParsons Zachry

### Fiatech Members & Partners

#### **MEMBERS & PARTNERS**

4SPECS. Inc. Arizona State University Atlas RFID Autodesk **Bechtel** Bentley Systems, Inc. BergerAVART, Inc. Black & Veatch buildingSMART alliance™ Burnham Nationwide Cardno TEC Carnegie Melon University CCC - Consolidated **Contractors Company** CCT - Computer & **Communication Technology** CH2M Chevron Conspectus, Inc.

Construct-X ConXTech, Inc Dassault Systèmes SE DMS Corporation (Formerly Beijing) **Douglas Day Associates** Eastman Chemical Company Enable My Team ExxonMobil Research and Engineering Faithful & Gould (division of Atkins) Fluor Goodman, Allen & Filetti Hatch, Ltd. Hitachi Document Solutions iConstruct Index AR Solutions InEight (Hard Dollar) Intelliwave Technologies Intergraph Corporation

JKB Architectural Specifications KAIST, Korea Advanced Institute of Science and Technology Myongji University OnTrack Engineering, Ltd. PerfectProjects, Inc. Petronas Phusion IM PowerGenEgr&ServCo (PGESCo) **QPS** Engineering Ruby + Associates, Inc. Shell Siemens Skanska USA Building, Inc. Solibri Southern Company Services, Inc. Synchro Software, Ltd.

Target TEAM Integrated Engineering, Inc. Tecgraf / PUC-Rio University Texas A&M University Thalden - Boyd Architects The Dow Chemical Company University College of London University of Alberta University of Cambridge University of Illinois at Urbana-Champaign University of Kansas University of Liverpool University of Michigan University of San Antonio University of South California WorleyParsons, Ltd. WRENCH Solutions Zachry

# 2016 REPORTS Financials

Construction Industry Institute, The University of Texas at Austin 2016 Financial Report December 31, 2016

	YTD (1	YTD (12/31/2016)		
REVENUES				
Membership Dues Assessment Membership & Branding Dissemination General & Administrative Knowledge Creation Product Subscriber Program <b>TOTAL REVENUES</b>		4,698,520 1,069,898 868,493 558,567 192,032 169,016 19,820 7,576,346		
EXPENSES				
Salary & Fringe Knowledge Creation Membership & Branding Assessment General & Administrative Knowledge Management Dissemination <b>TOTAL EXPENSES</b>		2,707,935 2,030,927 1,049,875 996,061 544,995 460,158 364,008 3,153,959		
CHANGE IN AVAILABLE FUNDS BALANCE	\$	(577,613)		
BEGINNING AVAILABLE FUNDS BALANCE	2	2,559,503		
ENDING AVAILABLE FUNDS BALANCE	\$	1,981,890		
COMPOSITION OF AVAILABLE FUNDS Required reserves Director's discretionary Other available funds		1,000,000 12,973 968,917		
ENDING AVAILABLE FUNDS BALANCE	\$ -	1,981,890		

Construction Industry Institute Independent Accountants' Report On Applying Agreed-Upon Procedures December 31, 2016

# **Dunagan ★ Jack LLP** Certified Public Accountants

INDEPENDENT ACCOUNTANTS' REPORT ON APPLYING AGREED-UPON PROCEDURES

To the Management and Board of Advisors Construction Industry Institute Cockrell School of Engineering The University of Texas at Austin

We have performed the procedures enumerated below, which were agreed to by Construction Industry Institute (Institute) management, on Membership Dues and Available Funds reported in the Institute's 2016 financial statement to be included in its annual report. The Institute's management is responsible for Membership Dues and Available Funds reported in the 2016 financial statement. The sufficiency of these procedures is solely the responsibility of the Institute's management. Consequently, we make no representation regarding the sufficiency of the procedures described below either for the purpose for which this report has been requested or for any other purpose.

Our procedures and associated findings are as follows:

- We obtained from management the 2016 financial statement to be included in the annual report.
- We obtained from management financial reports from \*DEFINE, The University of Texas at Austin's software that accounts for the Institute's financial transactions.
- We have provided below a reconciliation of the Institute's "membership dues" revenues from balances reported in \*DEFINE to the 2016 financial statement.
- We have provided below a reconciliation of the Institute's ending "available funds" balance from \*DEFINE to the 2016 financial statement.

#### **Reconciliation of Membership Dues per \*DEFINE to the 2016 financial statement:**

Membership payments received per *DEFINE:	
2016 member dues payments received in 2016	\$ 3,450,218
2016 member dues payments received in 2015	514,805
Total 2016 membership payments received per *DEFINE	 3,965,023
Reconciling items:	
Add: 2016 member dues accrued (receivable)	752,400
Add: 2016 member dues recognized for in-kind contributions	39,600
Add: Miscellaneous reconciling items	897
Less: Reversal of 2015 accruals for dropped memberships	 (59,400)
Membership dues reported in Annual Report	\$ 4,698,520

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Reconciliation of Available Funds per *DEFINE to the 2016 financial statement:				
Free Balances per *DEFINE:	\$	1,244,362		
Adjustments to *DEFINE balances:				
Add: Encumbered funds (not yet spent) Add: UT overhead charged, but not yet incurred Add: Contract balances in excess of payments received Add: Posting error		1,907,211 72,518 126,516 33,573		
Less: UT's overhead portion included in Free Balance Less: PIP funds held in CII account		(216,207) (1,067,907)		
Adjusted Free Balances per *DEFINE:		2,100,066		
Reconciling items:				
Add: 2016 membership dues revenues accrued (unpaid) Add: 2015 membership dues revenues accrued (unpaid) Add: 2017 prepaid rent (Jan, Feb) Add: 2017 prepaid Executive Leadership Program expenses Add: 2017 prepaid Association Tech Solution expense Add: Additional CII funds available in PIP account Add: Annual report overstated by in-kind membership entry		752,400 9,920 36,990 27,356 30,636 26,877 39,600		
Less: 2017 membership dues revenues deferred Less: 2017 Executive Leadership Program revenues deferred Less: 2016 travel stipends accrued (unpaid) Less: 2016 deposits not reflected in annual report Less: Miscellaneous other identified reconciling items		(435,600) (296,600) (107,250) (77,905) (28,122)		
Unreconciled difference		(96,478)		
Ending Available Funds Balance per Annual Report	\$	1,981,890		

This agreed-upon procedures engagement was conducted in accordance with attestation standards established by the American Institute of Certified Public Accountants. We were not engaged to and did not conduct an audit or review, the objective of which would be the expression of an opinion or conclusion, respectively, on Membership Dues and Available Funds reported in the Institute's 2016 financial statement. Accordingly, we do not express such an opinion or conclusion. Had we performed additional procedures, other matters might have come to our attention that would have been reported to you.

This report is intended solely for the information and use of Management and the Board of Advisors of the Institute and is not intended to be and should not be used by anyone other than these specified parties.

Austin, Texas; March 15, 2017

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# Sharing Knowledge to Create 'What's Next'.

CII is a learning organization with a wealth of knowledge and information. We offer opportunities throughout the year for meaningful collaboration – from conferences to technology showcases to our Annual Conference – that ultimately improve safety and capital efficiency.



**CII's Annual Conference 2016** in National Harbor, Md., attracted about 600 industry leaders and featured key research presentations, breakout sessions, awards presentations and dynamic keynote speakers. From the top: Yangmin Shi, Texas A&M, explains his poster project to a conference attendee; 2016 CII Chair Mike Elliott, Phillips 66, and 2015 CII Chair Jim Backes, Hargrove EPC; keynote speaker Brenden Bechtel, CEO of Bechtel Company; CII 2016 Annual Conference Chair Ann Marie Sweet-Abshire, US Veterans Affairs, presenting Georgia Tech's Pardis Pishdad-Bozorgi with CII's Outstanding Researcher Award.

## **CII** Directory

#### DIRECTOR



Stephen Mulva Director

#### SENIOR STAFF



Kim Allen Associate Director, Industry Sector Leadership Sector Leadership Committee and Communities



Cynthia King Associate Director, Professional Development Upstream, Midstream, and Mining Sector Committee

Robert Ritter Associate Director, Performance Assessment

Manufacturing and Life Sciences Sector Committee Terri Buvia Manager of Shared Services

Deborah DeGezelle Manager of Information Services

Daniel Oliveira Manager of Research Services

Hong Zhao Manager of Financial Services



Jennifer Bien Associate Director for Membership & Communications

of Practice

Healthcare and Facilities Sector Committee



John Borcherding Interim Associate Director, Funded Studies Power, Utilities, and

Infrastructure Sector Committee





Chris Tisdel Associate Director, Implementation & Globalization

Downstream and Chemicals Sector Committee

#### STAFF LISTING

Ila Awasthi Software Developer/Analyst

Nuria Ayala Project Manager

Jessica Ballew Communications Specialist

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Frances DeCoux Senior Administrative Associate

Kristi Delaney Project Manager

Beatriz Guerra Graduate Assistant Kelly Lenig Project Manager

Hyeon-Yong Park Graduate Research Assistant

Susan Quaglino Technical Writer

Pipper Ramsey Administrative Associate

Donna Rinehart Senior Administrative Associate

Bernie Rosenblatt Senior Financial Analyst

Debbie Samilpa Senior Administrative Associate

Stevan Wilsan Systems Administrator II

Zhe Yin Graduate Research Assistant



#### ABOUT US

The Construction Industry Institute, based at The University of Texas at Austin, is a consortium of more than 130 leading owner, engineering-contractor, and supplier firms from both the public and private arenas.

These organizations have joined together to enhance the business effectiveness and sustainability of the capital facility life cycle through CII research, related initiatives, and industry alliances. A learning organization with a wealth of knowledge and information, CII is unique in the engineering and construction industry.

The University of Texas at Austin Cockrell School of Engineering

#### IN MEMORIAM

## Mike Elliott

CII Board of Advisors - Chair, 2016

CII Executive Committee, Strategic Planning Committee, Annual Conference Committee, and Implementation Strategy Committee

Co-author of a design and construction manual

# Robert F. Jortberg

CII Associate Director, 1988 - 1998

National Academy of Construction – Founding Member

Honored in 1992 with The Robert F. Jortberg Endowed Graduate Fellowship in Engineering at The University of Texas at Austin

# C. Hilton "Stretch" Dunn, Jr.

Active CII supporter and member, 1995 – 2004

Instructor, CII's Executive Leader Program

Son of Letha and Carroll Dunn, after whom the Carroll H. Dunn Award of Excellence was named

## Construction Industry Institute®

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