

# CONSTRUCTION PROGRAMS

## AWARDS AND RECOGNITION BANQUET

Thursday, April 25, 2019  
The Ball Room – Round the Bend Steakhouse  
Ashland, NE



**THE DURHAM SCHOOL  
OF ARCHITECTURAL ENGINEERING AND CONSTRUCTION**  
Learn Today | Build Tomorrow



## WELCOME

Dear Alumni, Industry Partners, Students, and Friends:

It is my pleasure to welcome you to our Annual Durham School Construction Programs Awards & Recognition Banquet. The 2018-19 academic year saw many successes for Nebraska Construction Programs, and once again, we have so much to celebrate!

As Director of The Durham School, I have witnessed our outstanding construction programs and appreciate the hard work of faculty, staff, and students toward continuous improvement and deserved recognition. The collaboration and support of industry is simply amazing! About \$300K has been allocated to student scholarships and general support for our construction programs in the upcoming academic year. Let me take this important opportunity to say **Thank You**.

In the past two years, we have 1) hired seven new construction faculty members with significant industry experience, 2) expanded our CIAC about three-fold, 3) engaged in a new curriculum planning effort that will lead to important advancements, 4) helped raise significant funding for capital construction, 5) arranged for Construction Programs space for the Phase II CoE building project, and 6) engaged our students in team competitions where we often place highly. This has all been done in collaboration with our CIAC and industry partners.

We are moving forward at a quick pace. We are excited about our future. Stay tuned.

**Our motto is: "Learn Today, Build Tomorrow."**

A blue ink handwritten signature of Jay A. Puckett, written in a cursive style.

Jay A. Puckett, PE, PhD, F. ASCE  
Charles W. and Margre H. Durham Professor  
Director



# PROGRAM AGENDA

## **Social Hour**

5:30 p.m.

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## **Welcome & Dinner**

6:30 p.m.

Emcees:

Madisyn McClemons & Cory Hladky

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## **Program & Award Presentations**

7:15 p.m.

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### **Outstanding Alumni Awards**

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### **Outstanding Educator Awards**

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### **Outstanding Senior Awards**

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### **Outstanding Graduate Awards**

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### **Recognition of Scholarships**

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## **THANK YOU TO OUR SPONSORS!!**

- Felix Construction Company
- GH Phipps
- HDR, Inc.
- Interstates
- Johnson Controls
- Kiewit
- Kiewit Building Group
- Kiewit Infrastructure - East
- Kiewit Infrastructure - Southeast
- Mortenson
- NewStreet Properties
- RONCO Construction
- SGH Concepts
- The Whiting-Turner Contracting Company
- Turner Construction
- Union Pacific
- The Waldinger Corporation
- Wrieth Consulting

# SCHOLARSHIPS

## **AGC Nebraska Building Chapter**

Ethan Copes  
John Pupkes  
Gatlin Sindilar

## **AGC Nebraska Chapter**

Jacob Flannery  
Christian Foster

## **AGC Nebraska Highway Chapter**

John Pupkes

## **AGC of America Research and Foundation**

Ethan Copes  
Evan Copes  
Jeremiah Dickinson  
Joshua Jackson  
Nathan Ordos  
Harrison Scane  
Cameron Zelei

## **Beavers Construction Engineering**

Drake Harrington  
Larry Mercier

## **Beavers Construction Management**

Ethan Copes  
Kendal Fuller  
Kate McChesney

## **Beckenhauer Construction**

Drue Bhula  
Bryce Danielson  
Marshall Garner  
Parker Koziol  
Ryan Zimmerman

## **CIAC Tradition of Excellence**

Harrison Adam  
Drew Drake  
Joshua Jackson  
Kate McChesney  
Galileo Rivera-Tobar  
Ethan Warner  
Cameron Zelei

## **Commonwealth Electric**

Nicholas Jones

## **Control Services Inc. & Richard and Bonnie Brasel Student Support Fund**

Nicholas Gaffney

## **David J. Miles Construction Management**

Ryan Cook  
Manuel Mercado

## **Department of Construction Management Fund**

Nicholas Gaffney

## **Don L. Short II and SPE Chapter 35 Memorial Fund**

Zachary Barnhill

## **Durham School Construction Management Fund**

Pierre Folligan

## **Ivan and Lucille Bruensbach Memorial**

Malik Barbar Askar  
Will Barton  
Cheng-Yu Chiang  
Ryan Cook  
Tho Dang  
Andrew Dille  
Nathan Ordos

## **John L. Hoppe Family**

Marilyn Adame  
Stephany Corona  
Braden Johnson  
Parker Koziol  
Clay Schmidt  
Alexis Wilson

## **John T. McGreer Memorial**

Austin Campbell

## **Kristin Marie Gerrard Memorial Scholarship**

Matthew McMahan

## **Mitchell D. Grady Construction Management**

Levi Sandbulte

## **Paulsen, Inc.**

Evan Copes

## **Rasmussen Durham School Excellence Fund**

Ryan Cink  
Drake Harrington  
Victor Moreno  
Harrison Scane  
Jake Wietfeld

## **Rip Radcliffe Memorial**

Hala Fadhil

## **Robert A. and Lucille C. Dobson Fund for Engineering**

Hala Fadhil  
Hope Hasslen  
Philip Krause

## **Schmitt Durham School Renewable (2018-19)**

Mark Bacon  
Drake Harrington  
Joel Hines  
Braden Johnson  
Nicholas Jones  
Madisyn McClemons  
Jared Riebock  
Harrison Scane  
Joshua Thompson  
Kaylee Tobiason  
Jake Wietfeld  
Cameron Zelei  
Ryan Zimmerman

## **Steven J. Hespe Memorial**

Trevor Camenzind

## STUDENT AWARDS

Alan P. O'Shea Memorial Scholarship (2018)	Ruth Edgar, Nathan Snyder
MCAA Women in Construction Scholarship (2018)	Sarah Drumme
MCAA Chapter of Excellence Scholarship (2018-19)	Erik Huskey, Mitchael Sieh, Marilyn Adame-Ortiz, Matthew Juhnke
College of Engineering Undergraduate Student Major Award (2018)	Rose Gensichen
ASC Region 4 - Heavy Highway: 1st place (2018)	Nick Anderson, Brayton Ringsdorf, Nolan Olson, Steve Strehle, Hank Uleman, Tyler Wyman
ASC Region 4 - Commerical: 2nd place (2018)	Adam Egger, Christian Leblanc, Matthew Miller, Caleb Norton, Austin Rischling, Jessica Vorthmann
ASP (Appalachia Service Project) Race to Build Winner (2019)	Garrett Giesler, Erik Huskey, Madisyn McClemmons, Matt McMahon, Quentin Moore, Nolan Olsen, Connor Pudenz, Seth Rinderknecht, Ryan Schroeder, Steve Strehle, Rune Vanden Boogaart, Camden Wrehe, Tyler Wyman

## FACULTY AWARDS & RECOGNITION

ASC Regional Teaching Award (2018)	Kelli Herstein
College of Engineering Research Celebration Honoree (2018)	Terry Stentz
Construction Programs Outstanding Educator Award (2018)	Kevin Grosskopf, Brandon Kreiling
Ethiopian Ambassador Distinguished Scholar Program	James Goedert
Holling Family Distinguished Senior Faculty Teaching Award (2019)	Jena Shafai Asgarpoor
Holling Family Distinguished Teaching Award for Innovative Use of Instructional Technology (2019)	Jena Shafai Asgarpoor
Sigma Lambda Chi Construction Honor Society Bronze Award (2018)	Kelli Herstein, Terry Stentz
UNL Teaching Council/UNL Parents' Association Parents' Recognition Award (2018-2019)	Matt Barrows, Bruce Fischer

## COMPANY/ORGANIZATION PARTNERS

Center for Biomechanics Research, University of Nebraska-Omaha
Charleston AFB, Charleston, SC
Cheever Construction, Lincoln, NE
College of Nursing, University of Nebraska Medical Center-Omaha
College of Public Health UNMC-Omaha
Commonwealth Electric of the Midwest, Lincoln, NE
Cornhusker Council, BSA, Lincoln, NE
Exercise Physiology Laboratory, University of Nebraska-Lincoln
Kidwell Electric, Lincoln, NE
Kiewit
Offutt AFB, Bellevue, NE
Texas A&M University
University of Massachusetts-Lowell
Wichita State University

## GRANTS & RESEARCH

Center for Construction Research and Training (CPWR)	Terry Stentz, Kelli Herstein
MCAA Chapter of Excellence Grant (2018)	Tim Wentz
National Science Foundation (NSF) "Revealing Hidden Safety Hazards Using Workers' Collective Bodily and Behavioral Response Patterns" (2016-2018)	Changbum Ahn, Terry Stentz
NDOR "Long-Term Performance Evaluation of NUDECK in Kearney East Bypass" (2014-2019)	George Morcoux
NDOT "Design and Detailing of Cast-in-Place and Precast Concrete Approach Slabs" (2019- 2020)	George Morcoux
NDOT "Development of a Non-Destructive Testing Tool for in-Situ Assessment of Prestressed Components" (2017-2019)	George Morcoux
NDOT "Early Detection of Near-Surface Void Defects in Concrete Pavement Using Drone-Based Thermography and GPR Methods" (2018-2019)	Ece Erdogan, George Morcoux, Zhigang Shen
NDOT "Feasibility Study of Development of UHPC for Highway Bridge Applications in Nebraska" (2017-2019)	George Morcoux
NDOT "Performance Evaluation of Inverted Tee Bridge System" (2016-2019)	George Morcoux
NDOT "Phased Construction Bridges: Monitoring and Analysis for Traffic-Induced Vibration" (2019-2020)	
NDOT "Precast Concrete Deck-to-Girder Connection Using UHPC" (2018-2019)	George Morcoux
NDOT "Repair Practices for Damaged Precast/Prestressed Concrete Girders" (2018-2019)	George Morcoux
NSRI STRATCOM TIS Airborne Bio-containment Design and Performance Evaluation	Terry Stentz, Kelli Herstein
PCI "Implementation of Ultra-High Performance Concrete in Long Span Precast Pretensioned Elements for Concrete Buildings and Bridges" (2018-2021)	George Morcoux
University of Nebraska Systems Science Collaborative Initiative Large Research Grant	Terry Stentz, Kelli Herstein
University of Nebraska Systems Science Collaborative Initiative Small Research Grant	Kelli Herstein, Terry Stentz

## PUBLICATIONS

### Matt Barrows

Matthew Barrows, Caroline M. Clevenger, Moatassem Abdallah & Wei Wu (2019) Value of Certifications when Seeking Construction Employment, International Journal of Construction Education and Research, DOI: 10.1080/15578771.2019.1575936

### Phil Barutha

Barutha, P., Karaca, I., Pinto-Nunez, M., and Gransberg, D. "Project Risk Perception on Public Private Partnership Projects." Transportation Research Board 98th Annual Meeting. National Academies. 2019.

Barutha, Philip and Gransberg, Douglas. "Quantifying Mega-Project Value for Money: Design-build Versus Public Private Partnership Delivery Methods." Transportation Research Board 97th Annual Meeting. National Academies. 2018.

Barutha, P., Jeong, H.D., Gransberg, D., and Touran, A. "Impact of Collaboration and Integration on Performance of Industrial Projects." Construction Research Congress. April, 2018.

### James Goedert

Goedert, J., Woldesenbet, A., (2018). East African Manufacturing and Engineering Education Capacity Building, accepted for publication, International Journal of African Higher Education, IJAHE.

## PUBLICATIONS (Cont.)

### Kevin Grosskopf

Mousavi, E.S. and K.R. Grosskopf. "Renovation in Hospitals: A Case Study of Source Control Ventilation in Work Zones," 2018 Fall Colloquium – Associated Schools of Facility Management. Charlotte, NC. Oct 2018.

Grosskopf, K.R. "Evidence-Based Standards in US Hospitals – Ventilation Rates vs Incidence of Hospital Acquired Infections," Proceedings of the 2018 World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium (WMCAUS). Prague (Czech Republic). June 2018.

Grosskopf, K.R. "A Case Study in Integrated Project Delivery (IPD)," Proceedings of the 2018 Constructor Conference. American Institute of Constructors (AIC). Orlando, FL. May 2018.

Thompson, A. and K.R. Grosskopf. "Residential Construction Energy Code Compliance in Nebraska," Proceedings of the 2018 Annual International Conference. Associated Schools of Construction (ASC). Minneapolis, MN. March 2018.

### George Morcoux

Morcoux, G., Henin, E., and Tadros, M. K. (2019) "Shallow Precast Concrete Floor without Beam Ledges or Column Corbels", PCI Journal, July-August issue.

Tawadrous, R. and Morcoux, G. (2019) "Design of Shear Pocket Connection in Full-Depth Precast Concrete Deck Systems", Journal of Engineering Structures, Elsevier, V179, 367-386.

Tawadrous, R., Morcoux, G., and Maguire, M. (2019) "Performance Evaluation of a New Precast Concrete Bridge Deck System", ASCE Bridge Engineering Journal, July.

Henin, E., and Morcoux, G. (2018) "Bond-Dependent Coefficient of Helically-Wrapped Sand-Coated Glass Fiber-Reinforced Polymer (GFRP) Bars", Journal of Advances in Civil Engineering Materials, ASTM International, 7(1), 353-366.

Tawadrous, R. and Morcoux, G. (2018) "Shear Strength of Deep Hollow Core Slabs", ACI Structural Journal, May, 115(3), 699-710.

Tawadrous, R. and Morcoux, G. (2018) "Interface Shear Resistance of Clustered Shear Connectors for Precast Concrete Bridge Deck Systems", Journal of Engineering Structures, Elsevier, 160, 195-211.

Morcoux, G., Hatami, A., and Jaber, F. (2018) "A New Precast Concrete Deck System for Accelerated Bridge Construction", Journal of Advances in Civil Engineering Materials, ASTM International, 7(3).

### Zhigang Shen

Cheng, C.1, Shang, Z. 1, and Shen, Z. \* (2019). "Enhancing Bridge Deck Delamination Detection Based on Aerial Thermography through Grayscale Morphologic Reconstruction: A Case Study", TRB-2019 Annual Meeting, Jan. 13-17, Washington D.C.

Cheng, C.1, Shen, Z. \* (2019). Detecting concrete abnormality using time-series thermal imaging and supervised learning", TRB-2019 Annual Meeting, Jan. 13-17, Washington D.C.

Shang, Z., and Shen, Z. (2018). "Indoor-drone testing and simulation platform for complex structure inspections". ICCCB 2018 Conference, Tampere, Finland, 5-7 June

Shang, Z., and Shen, Z. (2018). "Real-time 3D Scene Reconstruction on Construction Site using Visual SLAM and UAV", 2018 Construction Research Congress, New Orleans, Louisiana, April 2-5

Cheng, C., and Shen, Z. (2018). "Mechanism and Measurements of Fall due to Loss-of-Balance for Construction Workers", 2018 Construction Research Congress, New Orleans, Louisiana, April 2-5

Cheng, C., and Shen, Z. (2018). "Time-Series Based Thermography on Concrete Block Void Detection", 2018 Construction Research Congress, New Orleans, Louisiana, April 2-5

### Terry Stentz

Kim, H., Ahn, C.R., Stentz, T.L., Jebelli, H. (2018). Assessing the Effects of Slippery Steel Beam Coatings to Ironworkers' Gait Stability. Applied Ergonomics, 68; 72-79.

Moravec, T., K.R. Herstein, T.L. Stentz (2018). Finance Major to Construction Engineer and Manager: Summer Internship 2018. Research Paper Abstract accepted to American Society of Engineering Educators (ASEE) 2019 Annual Conference, Tampa, FL.

Jebelli, H., Yang, K., Khalili, M., Ahn, C.R., Stentz, T.L. (2018). Assessing the Effects of Tool Belt Loading Formation on Construction Workers Postural Stability. Construction Research Congress 2018, ASCE, April 2-4, 2018.

Lowe, J., Lawler, J., Gibbs, S.G., Herstein, J., Beam, E., Carter, W., Santarpia, J., Stentz, T., Herstein, K., Achutan, C., Cieslak, T. (2018). Transport Isolation System Independent Validation and Verification Final Report, 30 September 2018; 71p.

Moravec, T., K.R. Herstein, T.L. Stentz (2018). Finance Major to Construction Engineer and Manager: Summer Internship 2018. Research Paper Abstract accepted to American Society of Engineering Educators (ASEE) 2019 Annual Conference, Tampa, FL.

Lowe, J., Lawler, J., Gibbs, S.G., Herstein, J., Beam, E., Carter, W., Santarpia, J., Stentz, T., Herstein, K., Achutan, C., Cieslak, T. (2018). Transport Isolation System Independent Validation and Verification Final Report, 30 September 2018; 71p.



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Mark Arnold	GH Phipps
Ryan Burbach	New Generation Construction
Brent Burger	Black & Veatch Construction
Bryan Bush	City Glass Company
Pat Cuddigan	New Street Properties
Joe Delgado	TCW Construction, Inc.
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Jose Figueroa	Interstates
Branch Foote	Swinerton
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Doug Glaser	Kiewit
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Joey Hausmann	Hausmann Construction
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Don Wrieth	Kiewit Building Group

**CIAC Emeritus Members**

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Doug Blum	Schwisow Construction
Steven Bowen	Spbowen, Inc.
Mark Butler	
Guenther Dziuvenis	AVI Systems
Tim Eller	
Allan Hale	NECA
Jereme Montgomery	Nebraska Concrete and Aggregates Association
Brad Nydahl	Howard S. Wright Construction Co.
Mike Ossian	Project One Healthcare
Mike Palumbo	Project One Integrated Services
Jim Rowings	Kiewit University

