Daniel P. Jenny Research Fellowship awards announced
2017 – 2018

The PCI Research and Development Council continues to support a strong fellowship program with the announcement of four Daniel P. Jenny Research Fellowship awards for the 2017/2018 academic year. The program connects professors and students with industry experts to advance research in precast concrete. It is a unique experience where both industry and academics benefit from the interaction. We especially thank all the producers who support universities proposing research ideas.

The four students awarded fellowships are:

Jonathan Blackstone
University of North Carolina at Charlotte
"Performance Based Design Recommendations for the Design of Precast Concrete Connections Exposed to Fire"
Advising Professors: Nicole Braxton, Brett Tempest and Aixi Zhou
Producer support: Metromont
In his fellowship application Jonathan noted "The opportunity to work with a multidisciplinary team focused on structure in fire will be beneficial as I begin my Master's studies in Civil Engineering with a structures concentration."

David Gee
University of Nebraska-Lincoln
"Eliminating Rebar Splicing in Transverse Joints of Precast Full Depth Bridge Deck Panels"
Advising Professor: Chungwook Sim

Producer support: Concrete Industries, Inc. and Coreslab Structures (Omaha), Inc.
Associate support: e.Construct.USA
David stated in his application “I believe this research can help to improve the community and the constructability of highway bridges.”

Nikkolas Edgmond
Missouri University of Science and Technology
“Examination of Shear Friction Design Provisions”
Advising Professors: Lesley Sneed and Dimitri Feys
Producer support: Metromont and Coreslab Structures (Missouri), Inc.
In his student statement, Nikkolas stated “The proposed research would help develop more economical and practical designs that would help impact the future of concrete bridge design.”

Matthew McDermott
University of Minnesota Duluth
“Shear Capacity of Hollow-Core Slabs with Concrete Filled Cores”
Advising Professor: Benjamin Dymond
Producer support: Molin
Matthew stated, “Through preparing this application, I am convinced the proposed work will be personally fulfilling and truly serve to improve web shear strength characterization.”
Matthew was also selected to receive the Alan Mattock Graduate Scholarship through the PCI Foundation.