

# 2017 DFI Committee Project Fund – Awards Announced

The DFI Committee Project Fund (CPF) was established in 2011 to fund DFI committee projects that advance the state of practice and the understanding of deep foundations and that produce a usable deliverable. Since its inception, the DFI CPF has awarded more than \$675,000 in funding for committee initiatives. Each project includes significant in-kind contributions from the researchers and associated groups, and are estimated to be in excess of \$1.5 million.

Dr. Jesús Gómez, P.E., D.GE, of GEI Consultants, chairs the CPF Review Committee, a multi-disciplinary and geographically diverse group of 11 active DFI members. Based on the proposals received, the Review Committee ranked and recommended proposals for award based on the following criteria, as appropriate to the scope of the project:

- Benefits to deep foundations industry (broad impact)
- Innovation
- Timeliness/relevance/immediacy of impact from results
- Quality of proposal (clarity, focus)
- Value of deliverable
- Probability of achieving goal

The following projects were approved for funding in 2017 for a collective total of \$125,327, not including any in-kind contributions. Deliverables from previously completed projects are available for download from the DFI website under the 'Awards' tab and the 'Publications' tab.

Please contact Mary Ellen Bruce Large, P.E., D.GE, DFI director of technical activities, at [melarge@dfi.org](mailto:melarge@dfi.org) for more information.

Committee	Project Scope	Deliverable	Funding Award	Researcher(s)
ACIP Piles	Evaluate lateral stresses due to installation of small-scale drilled displacement piles	Final report, <i>DFI Journal</i> article, magazine articles and/or conference papers	\$ 26,100	Dr. Antonio Marinucci, P.E., MBA, V2C Strategists, LLC Dr. Anne Lemnitzer, Assistant Professor, Univ. of California, Irvine
DFI of India	Implementation of CFA/ACIP pile technology in India including full-scale demonstration program; and design, development of construction and testing guidelines for CFA/ACIP Piles	Final report, video, photographs of demo, guideline manual	\$ 30,000	DFI of India Regional Committee, Dr. K.S. Rama Krishna, Chair Dr. Jeyson Samuel, Deputy General Manager, L&T Geostructure
Helical Piles and Tiebacks, Driven Piles, and Seismic and Lateral Loads	Small-scale shake table testing to validate large-scale shake table tests, and conduct parametric study to quantify behavior of helical piles in liquefied soils	Final report and <i>DFI Journal</i> paper	\$ 20,000	Dr. Ramin Motamed, Assistant Professor, Univ. of Nevada at Reno
Landslides and Slope Stabilization and Tiebacks and Soil Nailing	Evaluate probabilistic stability analysis for factoring structural resistance affects system reliability and develop consensus guidance for structural resistance for slope stabilization	Guidance document, <i>DFI Journal</i> article and presentation at DFI Annual Conference	\$ 29,650	Dr. Erik Loehr, P.E., Professor, Univ. of Missouri Columbia
Seismic and Lateral Loads	Develop design recommendations for laterally loaded rock-socketed shafts to develop a simple approach to address brittle response of rock mass	Technical report and <i>DFI Journal</i> article	\$ 19,577	Dr. Arash Khosravifar, Assistant Professor, Portland State Univ.