

Summary of the awards made under the new DCP initiatives 2016-17

DCP Research Seed Grants

The review committee for the DCP research seed grants convened at 10:30 am on 22 February 2017 and followed up by email. The committee consisted of Peggy Carr, Ray Issa (chair), Nam-Kyu Park and Sophia Acord, Center for the Humanities and the Social Sphere, and Mang Tia, Civil Engineering.

Kristin Nelson, Lee-Su Huang, & James Leach for *“Building Energy and Digital Fabrication: Research & Pedagogy”* in the amount of \$9,840.

Donna Cohen for *“Africa Design|Build: Preview Rwanda”* in the amount of \$10,000.

Kathryn Frank and Mary Oakley (Center for Landscape Conservation Planning) for *“Healthy and Resilient Water Infrastructure for Coastal Communities”* in the amount of \$10,000.

Masoud Gheisari for *“Using Panoramic Augmented Reality to Create a Virtual Safety Training Environment”* in the amount of \$9,918.

Ajay Shanker, Kurtis Gurley (Civil and Coastal Engineering), William O’Dell, & Stanley Latimer, *“Developing New Digital Tools for Hurricane Preparedness in Florida”* in the amount of \$25,000.

DCP Graduate Support & Professional Development

The review committee consisting of Ian Flood, Stanley Latimer (chair), Nam-Kyu Park, and Hui Zou met on Thursday, March 2, 2017 at 10:00 am to review the applications for the DCP Masters Recruiting Scholarships and the DCP One-Term Teaching Assistantships. The awards are presented below.

DCP Masters’ Recruiting Scholarships It was determined that the following highly qualified applicants be awarded a scholarship from this program: Alexis Boenker (LAE), Sydney Cinalli (ARC), Rosemarie Fusco (URP), Albina Hartner (IND), Sarunport Kaeowichian (IND), Robert Lyons (ARC), Kalob Morris (ARC), Daniel Sobczak, (URP), Isabel Storey (URP), Dylan Timmerman (URP), and Marisa Waddle (ARC).

DCP One-Term Teaching Assistantships: Jason Seickel (LA), Tyeshia Redden (URP), Amanda Rutherford (ARC), and Jun Zhang (CM).

DCP Research, Travel & Conference Sponsorship

The dean and interim associate deans reviewed and made the following awards to fund field research and scholarship, help junior faculty develop research relationships with external sources of sponsorship, and contribute to high visibility conference participation.

Field Research & Scholarship

Vandana Baweja travel to Auroville in Tamil Nadu, South India to support research on ***“Appropriate Technologies”*** that will focus on solar and wind energy, passive conditions and local renewable materials in the architecture of Roger Anger in the amount of \$2,000.

Donna Cohen travel to New York City to support the installation and public lectures for the exhibit ***“Obdurate Space: Architecture of Donald Judd”*** in the amount of \$1,847.

Wei Zui travel to China to gather research in monasteries, temples, and gardens in Shanxi and Shaanxi Provinces to support scholarship on ***“The Eastern Ethics of Water and Its Architectural Symbolism”*** in the amount of \$2,000.

Special Travel Support

- Sheila Bosch travel to healthcare funding agencies, Washington, D.C. in the amount of \$750
- Bryan Franz travel to the National Science Foundation, Washington, D.C. in the amount of \$750
- Masoud Gheisari participation in the 2017 NSF Grants Conference, Louisville, KY in the amount of \$750
- Shabboo Valipoor travel to healthcare funding agencies, Washington, D.C. in the amount of \$750
- Ian Flood refereed paper presentation at the *International Symposium on Modeling and Optimization*, Venice, Italy in the amount of \$1,500
- Charles Hailey refereed paper presentation *International Association for the Study of Environment, Space and Place (IASESP)*, San Diego, CA in the amount of \$1,500
- Rui Liu refereed paper presentation at the *International Workshop on Computing in Civil Engineering (IWCCCE 2017)*, Seattle, WA in the amount of \$1,750
- Zhong-Ren Peng refereed paper presentations at the *15th International Conference on Computers in Urban Planning and Urban Management (CUPUM)*, Adelaide, Australia and the *World Symposium on Transport and Land Use Research (WSTLUR)*, Brisbane, Queensland in the amount of \$2,000
- Ajay Shanker refereed paper presentation at the *International Conference on Structural Materials and Civil Engineering*, Bangkok, Thailand in the amount of \$1,500

DCP Conference Sponsorship

Charles Kibert (coordinator) with technical committee of Abdol Chini, Raymond Issa, & Ian Flood with graduate student support for the ***“19th International Symposium on the State-of-the-Art of Modular Construction”*** May 4-5, 2017 in the amount of \$10,000.

Nawari Nawari & Nancy Clark (co-chairs) with organizing committee of Vandana Baweja, Frank Bosworth, Martha Kohen, Michael Kuenstle, William Tilson (SoA) and Abel Tablada de la Torre & Johannes Widodo (National University of Singapore) for the ***“International Network of Tropical Architecture Conference (iNTA2017)”*** December 1-3, 2017 in the amount of \$10,000.

DCP New – Undergraduate Research Experience

The review committee for this initiative consisted of Donna Cohen (Chair), Peggy Carr, Ray Issa, and Nam-Kyu Park. They met on February 14, 2017 and selected the following six of the seven proposals submitted.

Student Last	Student First	Project Title	Mentor Last	Mentor First	Mentor Dept.
Laguel	Brian	3D Concrete Printer	Allen	Damon	CM
Mason	Emily	Tropical Houses by Rufus Nims in Florida	Baweja	Vandana	ARCH
Perez	Carlos	Using GPS to Design a Prototype to Expand Public Transportation in Dominican Republic	Widmer	Jocelyn	SLAP
Shoepflin	Eden	Cultural and Gender-derived Perceptions of Health Related to Water Quality in Dominican Republic	Widmer	Jocelyn	SBE
Trung	Tommy	Building, Cities, and Climate Change: Adaptation Strategies	Srinivasan	Ravi	CM
Quintana	Emilio Jose	Use of 360-degree Panoramic Photo/Videography for Construction Safety Training Applications	Gheisari	Masoud	CM

DCP – Instructional and Research Equipment Grants

The review committee consisted of Sherry Ahrentzen (Chair), Abhinav Alakshendra, Lee-Su Huang, and Shabboo Valipoor. The committee met on February 17, 2017 and requested additional clarification from each applicant. After reviewing the applicants’ responses the committee approved the following four proposals.

PI	Co-PI	Unit	Title	Amount approved
Jason Meneely		IND	Making Virtual-Reality a DCP Reality: Enabling Immersive Simulation Research and Cutting-Edge Design Visualization Techniques	\$7,709
Masoud Gheisari		CM	Using 360° PhotoNideography for Instructional and Research Applications: <i>iSTAR Fusion Camera</i>	\$9,528
Michael Kuenstle	Nawari Nawari	ARC	Integrating Digital Fabrica tion Techniques into Structural Analysis and Design	\$4,413
Marty Hylton		DCP	Drone for Digital Documentation of Heritage Sites	\$4,092