

Planning Grant Award Recipients

Spring 2017



| Project Title | PI Name | Co-PI Name | Participating Campuses/ Institutions |
|--|-----------------------|---|---|
| Modeling Resilient Interdependent Systems for Data-driven Decision Support | Yu-Che Chen, UNO | Byrav Ramamurthy Francisco Muñoz-Arriola DeeDee Bennett | UNL UNL UNO |
| An Adaptive Approach for Real-Time Wide-area Traffic Congestion Monitoring using an Energy-Aware Network of UAVs with Mobile and Static Sensor Nodes | Raj Dasgupta, UNO | Hamid Sharif Aemal Khattak | UNL UNL |
| Research Collaboration and Planning for Immigrant and Refugee Community Health | Megan Kelley, UNL | Sharon Baker Chao "Mickey" Zhang Leeza Struwe | UNMC UNMC UNMC |
| Characterization of non-inclusion and its impact on health disparities: Mapping sociocultural factors of disparities | Richard Mocarski, UNK | Margeret Hall Shireen Rajaram Debra Hope Sharon Obasi | UNO UNMC UNL UNK |
| A System Science Approach to Sustaining Midwest Food Production and Ecosystem Services through 2050 | Jane Okalebo, UNL | Tala Awada Shudipto Dishari Rajib Saha Sruti Das Choudhury Alan Kolok Mary Harner Elizabeth VanWormer Trenton Franz Andy Suyker Galen Erickson George Burba | UNL UNL UNL UNL UNO UNK UNL UNL UNL UNL UNL |

Planning Grant Award Recipients

Spring 2017



| Project Title | PI Name | Co-PI Name | Participating Campuses/ Institutions |
|--|---------------------------|--|--|
| Diffusion Tensor Imaging for Mild Traumatic Brain Injury — a Cross-Disciplinary Approach | Dongming Peng, UNL | Yutong Liu Howard Fox Ming Li Guoqing Lu | UNMC UNMC UNL UNO |
| How to better apply virtual reality technology for healthcare education and clinical practice? | Joseph Siu, UNMC | Pamela Boyers Bill Glass Jung-Hung Chien Dmitry Oleynikov Elizabeth Beam Chao Zhang Michael Kozak Brian Ricks Carl Nelson Adam Wagler Changmin Yan | UNMC UNMC UNMC UNMC UNMC UNMC UNMC UNO UNL UNL UNL |
| Towards optimal prescription of footwear for enhanced human movement performance | Kota Takahashi, UNO | Terry Stentz Hani Haider Brian Knarr Kelli Herstein | UNL UNMC UNO UNL |
| Clinical and Biomechanical Factors in Lower Extremity Osteoarthritis | Elizabeth Wellsandt, UNMC | Brian Knarr Adam Rosen Jong-Hoon Youn | UNO UNO UNO |
| Exoskeletons for Rehabilitation | Jeffrey Woldstad, UNL | Carl Nelson Kota Takahashi Philippe Malcolm | UNL UNO UNO |

Planning Grant Award Recipients

Spring 2017



UNIVERSITY OF
Nebraska



| Project Title | PI Name | Co-PI Name | Participating Campuses/ Institutions |
|--|-------------------|------------------------------|---|
| Autonomous structural health monitoring of critical infrastructure using intelligent multi-UAS | Richard Wood, UNL | Raj Dasgupta Robin Gandhi | UNO UNO |