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PROFESSIONAL PREPARATION

Tribhuvan University Kathmandu, Nepal	Civil Engineering	B.E.	2006
University of Nevada Las Vegas Las Vegas, NV	Construction Management	M.S.	2009
Georgia Institute of Technology Atlanta, GA	Computational Science and Engineering	M.S.	2013
Georgia Institute of Technology Atlanta, GA	Civil and Environmental Engineering	Ph.D.	2014

APPOINTMENTS

08/14- present Assistant Professor, Moss School of Construction, Infrastructure and Sustainability, College of Engineering and Computing, Florida International University

08/10 - 07/14 Graduate Research Assistant, School of Civil and Environmental Engineering, Georgia Institute of Technology

05/10 - 07/10 Visiting Lecturer, Khwopa Engineering College, Purbanchal University, Nepal

08/08- 12/09 Graduate Research Assistant, Howard R. Hughes College of Engineering, University of Nevada Las Vegas

01/07 - 07/08 Civil Engineer, Softwel/Aviyaan (P.) Ltd., Kathmandu, Nepal

PRODUCTS

- [1] **Pradhananga, N.**, Ergun, H. (2017) “Construction Safety Perception Analysis using Affecting Sensing Technology and Virtual Reality”, CSCE Annual Conference and Annual General Meeting, Vancouver, Canada, May 31-June 2, 2017
- [2] Golovina, O., Teizer, J., & **Pradhananga, N.** (2016) “Heat map generation for predictive safety planning: Preventing struck-by and near miss interactions between workers-on-foot and construction equipment” *Automation in Construction*.
- [3] **Pradhananga, N.**, & Teizer, J. (2015) “Cell-based construction site simulation model for earthmoving operations using real-time equipment location data”. *Visualization in Engineering*, 3(1), 1-16.
- [4] Vasenev, A., **Pradhananga, N.**, Bijleveld, F., Hartmann, T, Teizer, J. and Doree, A. (2014) “An Information Fusion Approach for Filtering GNSS Data Sets Collected During Construction Operations.” *Advanced Engineering Informatics*, doi:10.1016/j.aei.2014.07.001.
- [5] **Pradhananga, N.** and Teizer, J. (2013) “Automatic Spatio-Temporal Analysis of Construction Equipment Operations using GPS Data”, *Automation in Construction*, 29, 107-122.

OTHER SIGNIFICANT PRODUCTS

- [6] Costin, A., **Pradhananga, N.** and Teizer, J. (2012) “Leveraging Passive RFID Technology for Construction Resource Field Mobility and Status Monitoring in a High-Rise Renovation Project”, *Automation in Construction*, 24, 1-15.
- [7] **Pradhananga, N.** and Teizer, J. (2012) “GPS-Based Framework towards more Realistic and Real-time Construction Equipment Operation Simulation”, *Proceedings of the 2012 Winter Simulation Conference*, Berlin, Gemany, December 9-12.
- [8] Shrestha, P.P., Shields, D.R., Oparagua, D. and **Pradhananga, N.** (2011) “Comparative Study of Information Technology Use by Architects, Engineers and Contractors”, *Journal of Civil Engineering and Architecture*, 5 (5), 375-388.
- [9] Shrestha, P.P., & **Pradhananga, N.** (2010) “Correlating bid price with the number of bidders and final construction cost of public street projects”, *Transportation Research Record: Journal of the Transportation Research Board*, (2151), 3-10.
- [10] Shrestha, P.P. and **Pradhananga, N.** (2009) “GIS-Based Road Maintenance Management”, *International Workshop on Computing in Civil Engineering*, Austin, Texas, June 24-27.

SYNERGISTIC ACTIVITIES

- Reviewer for journals
 - Automation in Construction
 - ASCE Journal of Computing in Civil Engineering
 - ASCE Journal of Construction Engineering and Management
 - KSCE Journal of Civil Engineering
 - Journal of Professional Issues in Engineering Education and Practice
 - Public Works Management & Policy
 - Sustainable Cities and Society
 - Natural Hazards Review
 - Advanced Engineering Informatics
- Technical Committee Member or Reviewer for conferences
 - International Conference on Construction Applications of Virtual Reality in Construction and Conference on Islamic Architecture, Sharjah, UAE, 2014
 - International Workshop on Computing in Civil Engineering, Austin, TX, 2015
 - International Conference on Computing in Civil and Building Engineering, Osaka, Japan, 2016
 - International Conference on Remote Engineering and Virtual Instrumentation, New York, NY, 2017
 - International Workshop on Computing in Civil Engineering, Seattle, WA, 2017
 - American Society of Nepalese Engineers Annual Conference, Manassas, VA, 2017
 - International Civil Engineering Conference, Karachi, Pakistan, 2017
 - Construction Industry Institute (CII) Annual Conference, Orlando, FL, 2017
 - Construction Research Congress, New Orleans, LA, 2018
- NSF Proposal Review Panelist : Cyberlearning and Future Learning Technologies; CISE; CIS; CPS
- Director, Moss and Associates Built Environment Informatics Lab, FIU
- Initiator and Faculty Advisor, International Association Automation and Robotics in Construction (IAARC), Student Chapter at FIU