

Jack Klodzinski, Ph.D.

EDUCATION:

Dec. 2001 Ph.D. Civil Engineering-Transportation.
University of Central Florida.
Specializing in operations efficiency and project management.

PROFESSIONAL EXPERIENCE:

Jul 2004-Present *Independent Consultant*

Florida Extravaganza Toy, Comic, and Collectibles Shows, Orlando, FL. (Arata Exhibitions, Inc).

Services included management support for show operations. Tasks included development of client requested computer software for on-site registration at the conventions and management for attendee admissions & limited editions counters. Successfully deployed the software at multiple events and managed the data in an efficient format. Database developed for efficient management of information included customized reports for review of convention admissions and receipts. Show floor management responsibilities comprised of communicating client requests to their employee assignments for show set up and during show operations and ensuring completion in the required time frame. Venues included Orange County Convention Center, Central Florida Fair Grounds, and Universal Hard Rock Café & Hotel.

Dragon Con, Atlanta, GA. (CMI Toys).

Services provided were to develop and operate promotional VIP receptions for client. Assignments included customized invitations to guests, promotion of events, book entertainment, provide decorations and, management of open full-liquor bar. Themes included varied types of underground movie and music.

Docking Bay 94 Comic Shop, Orlando, FL.

Services include website development & maintenance, store display design, fixture procurement and installation, marketing, industry exhibition attendance, and printed advertisements.

CMI Toys, Orlando, FL.

Services include website development & maintenance, inventory management, marketing, industry exhibition attendance, and printed advertisements.

Oct 2009-Present *Graduate Faculty Scholar*

University of Central Florida: College of Graduate Studies

This position is for participation in graduate education and activities for the Department of Civil, Environmental, and Construction Engineering. This includes but not limited to being a member of a graduate student's advisory committee.

2003-Jul 2004 *Data Management & Web Applications Administrator*

Center for Advanced Transportation Systems Simulation, University of Central Florida.

Established and managed a project design team for development of an online Cargo Theft Reporting System for the Florida Highway Patrol as part of the Commercial Vehicle Operations Program. This included writing a proposal, project timeline, and submission of required status reports and presentations. The project objective was enhancement of current "Fax Alert" system to a web-based cargo theft form submission through internet connection. New components were developed for the system including a searchable database with cross-referencing capability and a GIS mapping service for Florida thefts. A similar system was being developed in parallel for Florida's seaports and freight transportation community. Additional research continued for more efficient data management through internet website development components as it would be applicable to any transportation agency depending on their area of interest (e.g. freight mobility, highway infrastructure management, seaport network management, rail car movements, air traffic).

2003- Jul 2004 *CATSS Website Administrator*

Center for Advanced Transportation Systems Simulation, University of Central Florida.

Established and managed a project team to redesign and support the federally funded transportation research center's website at UCF including .ASP pages and database integration. This included writing a proposal, project timeline and submission of required status reports and presentations. Integration of a data management system for individual CATSS funded projects was also developed.

2002- Jul 2004

Associate Research Engineer and Adjunct Faculty

Department of Civil & Environmental Engineering, University of Central Florida

Conduct needs assessment for transportation agencies related to topics of interest focusing on but not limited to Intelligent Transportation Systems for the contracting agencies. Proposals were written to address the needs established from the assessment. Executed the contract and supervised the research to complete the projects for contracting agencies. Projects involved data collection, analysis, and development of innovative applications for traffic studies on toll road and seaport road networks. Executed design methodologies for the projects including field work and computer simulation using various transportation modeling software packages. Status updates were conducted and findings communicated in the form of both written [reports](#) and visual presentations to the contracted agencies. Significant research was continued on the evaluation of the toll road system in Central Florida with the introduction of express ETC lanes on a redesign project of the University Mainline Toll Plaza on SR 417. Evaluation of the benefits was the main objective. Network Simulation modeling was used to analyze toll pricing alternatives in the Central Florida area.

2004, Jan-Apr.

Professor of Traffic Engineering (TTE5204)

Department of Civil & Environmental Engineering, University of Central Florida

Course instructed was a graduate level on Traffic Engineering and related concepts. Curriculum included applications of concepts to actual transportation problems and analysis aided by transportation simulation computer software. Position including being a member of five graduate student thesis committees for Master's Degree in Civil Engineering with all topics in Transportation.

1998-2002

Assistant Research Associate & Independent Consultant

Project work included assembling and supervising a team of research assistants to complete a three-phase [Florida Seaport Evaluation Project](#) funded by FDOT's Research Center. The project included data collection, management, and analysis for application to a Neural Network modeling technique for estimating daily truck trips in and out of selected Florida Seaports using daily vessel freight data.

1996-1998

Vice President of MAJIC Productions

MAJIC Productions, Inc.

Director of day-to-day operations for a company I co-founded that produced collectible expositions. Office management included development and implementation of database applications for organizing customers/attendees of the expositions, oversee merchandise sales, personnel assignments & direction of all contract-specific tasks. Administrator of staff for finance, inventory management, and merchandise production departments. Major clients included Hasbro Inc. Boy's Toys Division.

RELEVANT SOFTWARE EXPERIENCE:

- ArcGIS, HTML, Microsoft Office Suite, MS Windows Server 2003, SPSS, MatLab, MiniTab, SAS, CORSIM, PARAMICS, VISSIM, TPSIM, TPMModel, DynaSmartP, FSUTMS Tranplan, Cube, Viper, Cube Voyager, Visual Slick Edit, Dreamweaver, Frontpage, Adobe Photoshop.

CERTIFICATIONS/CLEARANCES & SKILLS:

- Certified PADI Advanced Scuba Diver, French language basics

SELECTED RECENT PRESENTATIONS & JOURNAL PUBLICATIONS:

- [Klodzinski, J.](#) and P. Kerr, "Framework Concept for a Comprehensive Electronic Freight Data Management System", presented at the ITS America 2009 Annual Meeting, June 1st, 2009.
- [Klodzinski, J.](#) and P. Kerr, Framework Concept for a Comprehensive Electronic Freight Data Management System, Presented at the Freeway and Tollway Operations Conference, Fort Lauderdale, FL., June 15-18, 2008.

- Klodzinski, J., P. Kerr, and E. Fernandez, "*Framework Concept for a Comprehensive Electronic Freight Data Management System*", presentation and publication, TRB Annual Conference & Papers Compendium, Washington, D.C., January 2008.
- Klodzinski, J., P. Kerr, and E. Fernandez, "*Concept for a Comprehensive Electronic Freight Data Management System*", Paper No.: T07-221, 2nd International Conference Transportation Logistics, Shenzhen, P.R.China, July 2007.
- Ramachandran, B and J. Klodzinski "*Internet based Mapping Prototype for integration with an Electronic Freight Theft Management System*", presentation and publication, Transportation Research Board, TRR 1993, Washington, D.C., January 2007.
- Klodzinski, J., P. Kerr, and Lt. B. Shiver "*Application of an Electronic Freight Theft Management System (EFTMS) for Florida*", presentation and publication, Transportation Research Board, TRR 2008, Washington, D.C., January 2007.
- Klodzinski, J., P. Kerr, and E. Fernandez, "*Application of an Electronic Freight Theft Management System (EFTMS) for Florida*", presented at Transpo2006, Palm Harbor, FL, November 2006.
- Klodzinski, J., P. Kerr, and E. Fernandez, "*Development of an Electronic Freight Theft Management System (EFTMS) for Florida*", presentation and publication, TRB Annual Conference & Papers Compendium, Washington, D.C., January 2006.
- Sarvareddy, P., H.M. Al-Deek, J. Klodzinski, and G. Anagnostopoulos, "*Evaluation of Two Modeling Methods for Generating Heavy Truck Trips at an Intermodal Facility using Vessel Freight Data*", presentation and publication, Transportation Research Board, TRR 1906, Washington, D.C., January 2005.
- Klodzinski, J., Al-Daraiseh, A, Georgiopoulos, M, and Al-Deek, HM, "*Development of a Java Applet for Generating Truck Trips from Freight Data*", presentation and publication, Transportation Research Board, TRR 1870, Washington, D.C., January 2004.