5.3 Urban Management Systems

**Room:** 204 Runme Shaw Building

**Chair:** Muhammad Ludin, Ahmad Nazri [Universiti Teknologi Malaysia, Malaysia]

**GIS Use for Planning in Wisconsin’s Public Agencies**
Ashgül, Göçmen Z. [University of Wisconsin Madison, USA]

**Monitoring Local Plan Compliance through Land Use Monitoring System**
Muhammad Ludin, Ahmad Nazri [Universiti Teknologi Malaysia, Malaysia]
Abdul Kadir, Mohd Nuruddin [Universiti Teknologi Malaysia, Malaysia]
Sulaiman, Susilawati [Universiti Teknologi Malaysia, Malaysia]

**The Telecommunication Infrastructure for Space of Flows or Spaces of Place? Examining Taipei’s CyberCity Project, Bounded Global Reach, and its Scalar Contestation**
Lan, Cassidy I-Chih [National Taipei University, Taipei]

**GIS Application in Monitoring Development Plan Implementation in Malaysia: Weaknesses and Potential**
Abdullah, Muhammad Faris [International Islamic University Malaysia, Malaysia]
Abdullah, Alias [International Islamic University Malaysia, Malaysia]
Zahari, Rustam Khair [International Islamic University Malaysia, Malaysia]

**Analysis of Current Status and Future Tendency for Development of Sustainable e-Local Government in Prefecture**
Koga, Takayuki [University of Tokyo, Japan]
Sekimoto, Yoshihide [University of Tokyo, Japan]
Shibasaki, Ryosuke [University of Tokyo, Japan]

5.4 Transport & Logistics

**Room:** 205 Runme Shaw Building

**Chair:** Okumura, Makoto [Tohoku University, Japan]

**A Hierarchical Accumulated Cost Surface Method for Approximating Multi-modal Travel Cost**
Lelito, Emanuel [Toyohashi University of Technology, Japan]
Ogai, Akira [Toyohashi University of Technology, Japan]

**Research on Calculating Increased Traffic Service Capacity of Widened Junction Using Traffic Simulation Approach**
Wu, Zhen [Hefei Municipal Design Institute, China]

**Flow-Capturing Location Allocation Programming for More Effective and Robust Locations**
Okumura, Makoto [Tohoku University, Japan]
Hori, Satoshi [Tohoku University, Japan]

**Study for the Localization of Vehicle Weighing Stations in Brazilian Federal Highways**
Morales, Paulo [CENTRAN, Brazil]
Quadros, Saul [CENTRAN, Brazil]
Peixoto, Karina [CENTRAN, Brazil]
Ribeiro, Gladston [CENTRAN, Brazil]

**The Configurational Approach for Cycling Urban Mobility**
Barros, Ana Paula Borba Gonçalves [University of Brasilia, Brazil]
Medeiros, Valério Augusto Soares de [University of Brasilia, Brazil]
Holanda, Frederico Rosa Borges de [University of Brasilia, Brazil]
Silva, Paulo Cesar Marques da [University of Brasilia, Brazil]
Velloso, Mônica Soares [University of Brasilia, Brazil]