

General Information of IJUDUC

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Journal Aims

International Journal of Urban Design for Ubiquitous Computing (IJUDUC) provides a chance for academic and industry professionals to discuss recent progress in the area of urban design for ubiquitous computing.

To bridge the gap of users who do not have access to major databases where one should pay for every downloaded article; this online publication platform is open to all readers as part of our commitment to global scientific society.

Journal Topics

The main topics include but will not be limited to: (Excellent surveying works, summary or introduction of new or fresh idea in these areas are welcome, too).

A. Urban Life Model

- Intelligent Urban Life Model

: Context-Classification, Social computing and social intelligence, Social Network Services,

Real-time movement

- Safe Urban Life

: Security & Privacy, Security Education & Organization

- Human Behaviour Model

: Social Network Services Model, Contents Monitoring and Filtering, Social computing

- Einstein Theory for User location

: Physical Space-Information Space interaction

: Analysis from Spatial/Temporal features in users location

: SNS based on Spatial features and on on Temporal features in users location

B. Intelligent Urban Computing

- Service Search
- : Self-Growing Smart Object
- Hyper-Web Interaction for Multiple SN
- Context and Security
 - : Authentication & Authorization & Access Level, Context Risk Assessment and Evaluation
 - : Security Convergence Architecture, Watermarking and Steganography
 - : User Location Privacy
- Dynamic Task Re-Construction
 - : Services Structure, Context Services, Services Multiple Assemble
- Intelligent Sensor Network
 - : ISN and Context awareness model
- Internal Computing
 - : Embedded hardware and software, Real-time OS
- Intelligent Wearable Computing
 - : Wearable intelligence
- Intelligent Distributed Computing
 - : Wireless sensor networks / RFID application
- Middleware and protocols
- Cyber-Physical Computing

C. Smart Grid

- Devices Control
 - : Intelligent Control System, Intelligent Evaluation System
- : Smart and Personal/Private Devices
- Power System for IUrC
 - : Strategy intelligent power system, Power system structure
- SCADA Security

D. Urban Design

- Intelligent Urban Design
- Intelligent Urban Structure
- Intelligent Power-aware Computing
- Intelligence building applications and services
- Commercial and industrial applications

E. Contents and Context in Urban Computing

- Cultural code, cultural index or cross-cultural studies
- Studies on community-based or space-based cultural context
- Cultural informatics or museum informatics
- Contents planning or practice utilizing spatial information
- Other relevant studies

F. Reliable Safety Framework in Urban Computing (RSFUC)

- Reliable RFID/USN Infrastructures for Critical Facilities
- Data Processing & Management for Safety Framework
- Intelligent Risk Forecasting & Prediction Methodologies
- Distributed Integration Model for Safety Framework

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