

Control and management on smart city (Building)

CALL FOR PAPERS

This special session has been held for the 13th consecutive year. It aims to gather peers engaged in automation and intelligence within the pan-architecture domain for collaboration and academic exchange. This forum truly reflects the characteristics of paper reading and face-to-face discussion, and reserves time for all participants to actively ask questions and consult. The establishment of small peer offline communication, online group building and other academic exchanges based on conference exchange, rather than the convenience can be endowed by other forms academic exchanges. Warmly welcome experts, scholars and graduate students in the field of control and management of smart cities (architecture) to submit their papers.

English is the official language for CCDC. Accepted papers and the papers presented by the authors will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements. Content such as Healthcare Management, Educational Management, Emergency Management and Transportation Management is out of IEEE Xplore's scope. The details and submission can be found at <http://www.ccdc.neu.edu.cn>. Further details on the topic can be contacted with Professor Ma Hongyan (mahongyan@bucea.edu.cn)

The main directions are:

- * “AI+ ” smart city.
- * Big data and cloud computing technology of smart city.
- * Self-diagnosis techniques of electrical & equipment faults in buildings.
- * Robot application technology in buildings.
- * PEDF, application of photovoltaic, energy storage, direct current and flexibility in building field.
- * Application of image and video processing and pattern recognition technology in the buildings.
- * Motion control in the building equipment and environment (such as: elevator control).
- * Process control in the building equipment and environment (such as: the control of air conditioning).
- * Application of advanced control theory in the intelligent building system.
- * Health Management of municipal engineering and equipment (such as water supply, drainage, heating, gas system and others).
- * Control and detection technology in underground utility tunnels.
- * Application of Internet of Things, wireless sensor network technology in intelligent building system.
- * Development and application research on building information model (BIM).
- * New technology of building fire protection and security.
- * Energy-saving technology research of building power supply, renewable energy and new energy.
- * Environmental monitoring and control technology of modern architecture.
- * Building automation (such as: building 3D printing, refabricated building).
- * Intelligent of engineering construction management.
- * Disaster prevention and mitigation and emergency decision-making of urban lifeline (power supply, water supply, drainage, heating, gas, urban rail transit and other systems).
- * City intelligent transportation and logistics.