

CONFERENCE TRACKS

Future Manufacturing Systems

- Reconfigurable manufacturing systems
- Industrial robotics
- Coordination and scheduling
- CPS and industrial Internet

Foundation of Automation

- Discrete event systems
- Hybrid systems
- Fault analysis and recovery
- System modelling and simulation
- Monitoring and control

Life Sciences and Healthcare

- Lab automation
- Automation in treatment diagnosis and disease
- Hospital and medical robotics
- Healthcare management systems

Automation in Meso, Micro and Nano-scale

- Cluster tool scheduling
- Fab modelling and analysis
- Metrology
- Nano-manufacturing

Big Data for Automation

- Web, Data and Text Mining
- Web services and service oriented architectures
- Machine learning
- Software engineering in automation
- Workflow management systems

Automation in Logistics and Supply Chain Management

- Material handling and assembly
- IT-enabled Planning, coordination and scheduling
- Resource allocation and management
- Automation in remanufacturing and reverse logistics

Networked and Control Systems

- Distributed control systems
- Multiagent planning and control
- Sensor/actuator networks
- Wireless communication and control

Cyber Physical Energy Systems

- Smart buildings
- Intelligent transportation systems
- Smart Cities
- Micro and smart grids

And others topics.

XI'AN

Xi'an is a famous historical and cultural city in China. It is the cradle of the Chinese nationality, the birthplace of the Chinese civilization and the representative of the Chinese culture. The city was first established more than 3100 years ago and it has been taken as a capital for 1129 years for 13 dynasties. It is one of the most ancient capitals of the world, in the company of Athens, Rome and Cairo. The city once functioned as the political, economic and cultural center of China and as the starting point of the renowned Silk Road. Due to its long history and rich culture, the city is reputed to be the natural history museum.



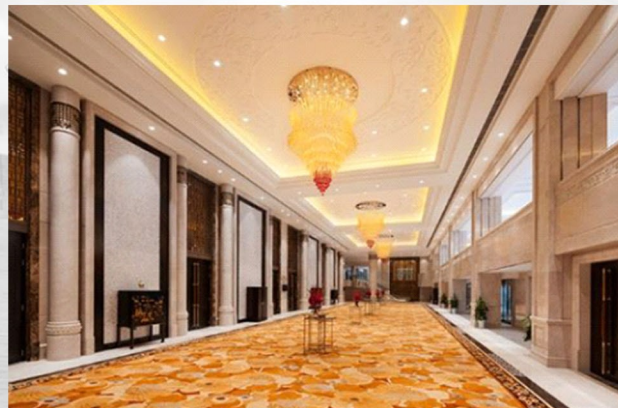
Qujiang District



Guest Room



Terra Cotta Warriors and Horses



Hotel Hallway



City Wall of Ming Dynasty