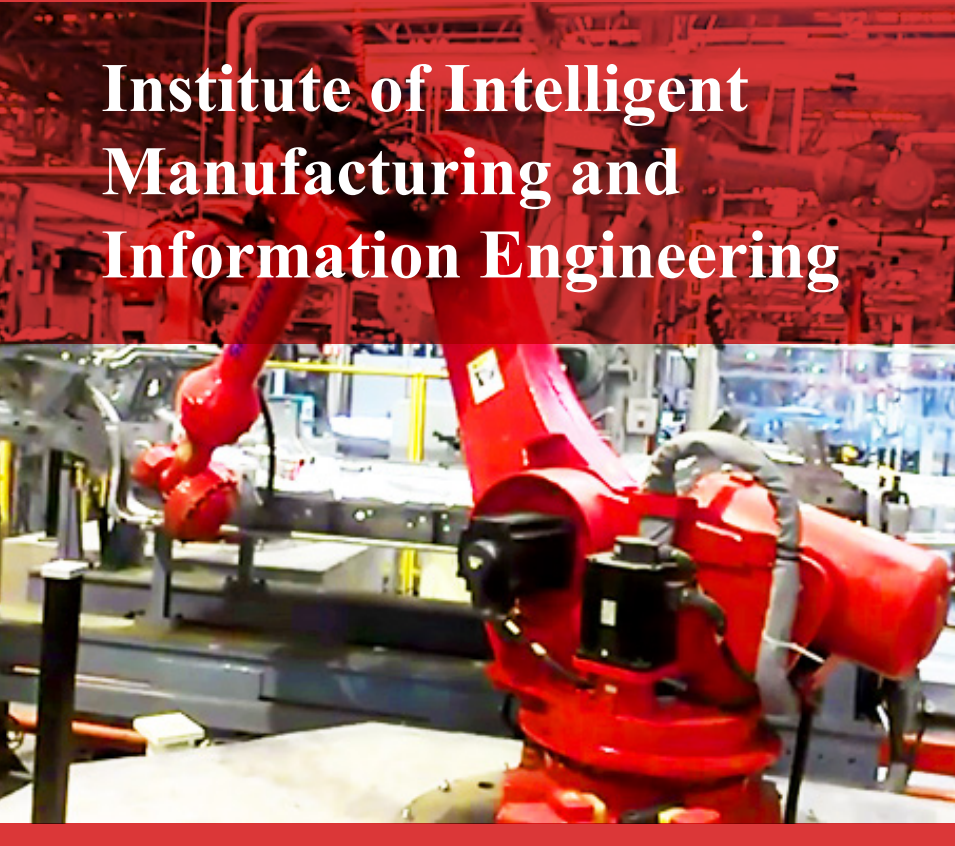# Institute of Intelligent Manufacturing and Information Engineering

1. Description

The Institute of Intelligent Manufacturing and Information Engineering (previously known as CIM for Computer Integrated Manufacturing) at Shanghai Jiao Tong University was founded in 1989. To meet the national needs for Intelligent Manufacturing, the institute focuses on researches in various thrust areas including Intelligent Manufacturing System, Precise Measurement and Online Measurement, VR and AR, Simulation and Parallel Computing for Complex Systems, Big Data Management and Analysis, and Metal Additive Manufacturing System. The institute has accomplished over 30 national projects and won over 10 national/regional prizes for its significant contribution to the manufacturing technologies development in China. There are currently 6 professors, 4 associate professors and 4 assistant professors working in the institute.

2. Key Research Fields

◎ Intelligent Manufacturing System
◎ Precise Measurement and Online Measurement
◎ VR and AR
◎ Simulation and Parallel Computing for Complex Systems
◎ Big Data Management and Analysis
◎ Assembly Line Planning and Information Management
◎ Metal Additive Manufacturing System

3. Labs, Centers and Groups

◎ Laboratory of virtual factory technology
◎ Laboratory of precision online measuring
◎ Laboratory of additive manufacturing & 3D printing
◎ Laboratory of intelligent manufacturing and big data
◎ Laboratory of smart product & service ecosystem

4. Instrumentation & Facilities

◎ Five-axis high speed CNC machine
◎ Rapid prototyping machine
◎ Laser tracker
◎ Laser 3D scanner
◎ Coordinate measuring machining

5. Director

Director: Prof. XI Juntong
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