# 附件1：智能制造相关名词术语和缩略语

5G: 第五代移动通信技术 (the 5th Generation mobile communication technology)

APP: 应用程序(Application)

AR: 增强现实 (Augmented Reality)

CAD: 计算机辅助设计 (Computer Aided Design)

CAM: 计算机辅助制造 (Computer Aided Manufacturing)

DCS: 分布式控制系统 (Distributed Control System)

EPA: 工厂自动化用以太网 (Ethernet in Plant Automation)

FCS: 现场总线控制系统 (Fieldbus Control System)

IEC: 国际电工技术委员会 (International Electrotechnical Committee)

IP: 互联网协议 (Internet Protocol)

ISO: 国际标准化组织 (International Organization for Standardization)

MBD: 基于模型定义 (Model Based Definition)

MBE: 基于模型的企业 (Model Based Enterprise)

MBM: 基于模型生产 (Model Based Manufacturing)

MES: 制造执行系统 (Manufacturing Execution System)

PAC: 可编程自动控制器 (Programmable Automation Controller)

PLC: 可编程逻辑控制器 (Programmable Logic Controller)

PON: 无源光纤网络 (Passive Optical Network)

SCADA: 监控与数据采集系统 (Supervisory Control And Data Acquisition)

SLA: 服务等级协议 (Service-Level Agreement)

TSN: 时间敏感网络 (Time Sensitive Network)

VR: 虚拟现实 (Virtual Reality)

VPN: 虚拟专用网络 (Virtual Private Network)

WIA: 工业自动化用无线网络 (Wireless Networks for Industrial Automation)