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Sommario/riassunto	Advanced manufacturing technology and systems cover a broad scope involving manufacturing processes, machine tool design, system optimization, smart and flexible manufacturing, theoretical study and metrology. This reprint comprises 19 original papers concerning recent advances in the research and development of AMTSs. Specifically, there are many research fields that are covered: machining processes (six papers), micro-/nano-precision fabrication (four papers), and system optimization (eight papers), in addition to one review.