Θέμα	Key points
Hardware Acceleration in Modern Microprocessor Architecture	- What is hardware acceleration? - Example microprocessors with hardware accelerators - Benefits from the use of hardware accelerators - The best known hardware accelerators in use today
Multicore and Manycore Processors	- What is a multicore and what is a manycore processor? - Multicore vs manycore comparison - Trends in modern systems
High-performance edge-like architectures	- What is an edge architecture? - Benefits of edge architectures - Sample edge processors and performance metrics - Main differences from modern multicore processors
Security and processors	- Basic security issues in computing - Architectural support for security - Code encryption/decryption
Heterogeneous computing	- What is heterogeneous computing? - Benefits of heterogeneous computing - Heterogeneous processors
Architectures for big data	- Definition of big data, architectural support, examples
Error resilient architectures	- Definition, architectural support, examples
Power aware architectures	- Power issues in today computing - Support for power awareness - Examples
Memory issues - consistency	- Definition, architectural support, examples
Memory issues - last level caches	- Definition, architectural support, examples
Memory issues - virtualization	- Definition, architectural support, examples
Compilation techniques	Any topic on code generation for modern microprocessors