Examples of Social/Ethical Issues and Related Information Technology:

Issue Technology

Privacy-Related Issues:

Compromised e-mail
Compromised financial records
Compromised medical records
Electronic personal profiles
Identity theft
Information theft
Internet stalking
Open-access to information
Workplace surveillance

Privacy-Related Technology:

Closed-circuit TV
Computer networks
Databases/storage/retrieval
Data matching
Data mining
Disclosure algorithms
Encryption/decryption
Fingerprint scanning/retrieval
Internet ìphishingî programs
Iris scanning
Pattern recognition
Radio frequency identification dust
Surveillance/monitoring software
The Internet

Security Issues: Security-Related Technology:

Computer viruses, worms, bombs Anti-virus software
Crashed computer systems Back-up software and hardware
Denial-of-service attacks Closed-circuit TV
Hacking and intrusions Encryption/decryption
Identity theft Fire walls
Internet stalking Internet ìphishingî programs
Internet terrorism Local Area Networks
Lost or scrambled data Surveillance/monitoring software
The Internet

Intellectual Property Issues: Digitized-Property-Related Technology:

Ownership of digitized music, text, E-mail and attachments
video, graphics Encryption/decryption
Ownership of software Scanning hardware/software

Shareware
The Internet and other networks

Non-Human Agent Issues:

Human vs cyborg values
Human vs robot values
Reliability of computer decisions
Replacement of human decisions by machines

Non-Human Agent Technology:

Cyborg technology
Decision-making software
Neuron nets
Robot technology
Softbot technology
Access Issues:
Computing for the disabled
ìHavesî vs ìHave-Notsî

Access-Related Technology:

Hand-cranked electronic devices
Hardware/software for the hearing
impaired and visually impaired