

Chapter 14

Conclusion

The information technology (IT) will be developed more in both areas of hardware and software. This has been reflected as the interdisciplinary and convergence trends of the 21st century style technology. Therefore, the assessment and management skills of this book will be applied much more to the nuclear industry very effectively. In the regulatory aspect, the real time risk analysis could be realized by the portable communications system like the iPhone. In addition, the information of plant operations would be supplied to many bodies simultaneously, which will reduce the human errors. This needs more study in the effectiveness of simultaneous information flow, which means the characteristics of the IT where many followers connect to others by social network system like facebook. The nuclear power plants (NPPs) accident would be prevented by the fast estimation of safety assessment using the social networking system. The hologram will be substituted with conventional pad-type terminal.

In addition, the computing ability of the computer will destruct the barrier of the current calculation limitation in neutron behaviors. The super computing will solve the molecular movements of the nuclear fuels where the multi-scale technology would be applied. The highly enhanced computing technology is the other kind of matter in atomic IT applications. This atomic IT will be integrated with the nano-scale technology and biological technology in the nuclear industry.