

School of Nuclear Knowledge Management
28 September – 2 October 2009, Trieste, Italy

2. School of nuclear knowledge management: strategy, approach and achievements
Andrei Kosilov, IAEA

3. **Managing Nuclear Knowledge – A necessity for the Energy System of the 21st century.**
Yanko Yanev, IAEA

30. **Invited presentation: Strategies for the Best Use of Nuclear Knowledge Management**
Gail Marcus, USA

SESSION 1 Basics of Knowledge Management

4. Basic Approaches and Definitions of Knowledge Management
Andrey Kosilov, IAEA
5. Concepts and Methods for Knowledge Management
Gary Cairns, UK
6. Knowledge Transfer, Knowledge Exchange and Knowledge Sharing
Ed Boyles, USA
7. Implementation of KM Projects
Gary Cairns, UK
8. Methods and tools for knowledge preservation
A. Kosilov, IAEA

SESSION 2. Policies and Strategies in Nuclear Knowledge Management (NKM)

9. Defining policy and strategy for NKM
Andrey Kosilov, IAEA
10. NKM in R&D organizations. KM and competency management
Gary Cairns, UK
11. Improving organizational performance with a KM system
Madiba Saidy, IAEA
12. Knowledge Management Strategies in Nuclear Industry Organizations
Ed Boyles, USA
13. Intellectual property in KM context
Gary Cairns, UK, M. Saidy, IAEA
14. Building and Maintaining a Knowledge Sharing Culture
T. Karseka, IAEA

SESSION 3. Human Resources and Knowledge Transfer

15. Risk Management of Knowledge Loss in Nuclear Industry Organizations
Ed Boyles, USA
16. Tacit knowledge capture techniques
G. Cairns, UK
17. Human Resource Challenges to KM and Industry best practices for managing an ageing work force
Ed Boyles, USA

SESSION 4. Managing Nuclear Information Resources

20. Managing Nuclear Information
A. Tolstenkov, Russia
21. IT tools for KM & collaboration
G. Cairns, UK
22. Introduction to INIS and INIS Demonstration
A. Tolstenkov, Russia
23. Preservation of Nuclear Information and Records
A. Tolstenkov, Russia
24. Practical examples of IT tools to support knowledge management/
Archiving of Web-based Nuclear Information – NuArch Project
A. Pryakhin, IAEA
25. General Requirements for Nuclear Knowledge Management Portal
A. Pryakhin, IAEA

SESSION 5. Methods and Tools for KM including Practical Examples

28. IAEA Guidance Documents on KM
M. Saily, IAEA
29. Fast Reactor Knowledge Organization System
A. Pryakhin, IAEA
31. Knowledge Management: Safety Considerations
P. Firbas, IAEA
32. Practical Approach to KM Maturity Assessment in nuclear organizations
G. Cairns, UK

SESSION 6. Networking for Education and Training

35. Status and Trends in Nuclear Education
M. Saidy, IAEA
36. The World Nuclear University: Achievements and Perspectives
S. Gorlin, WNA/WNU
37. The European Nuclear Education Network Association - Experience and Perspectives
W. Ambrosini, ENEN Association/Pisa University
38. Educational Approach at the International Centre for Theoretical Physics
C. Tuniz, ICTP
39. Preservation and dissemination of nuclear knowledge with an educational cyber platform
A. Pryakhin, IAEA
40. IT/IM Initiatives to Support Nuclear Education and Training
A. Pryakhin, IAEA
41. **Multimedia Nuclear Reactor Physics Course (presentation and demonstration)**
M. Saidy and A. Kosilov, IAEA