NEA International Radiological Protection School (IRPS)

Draft programme outline*
20 – 24 August 2018
Stockholm University, Sweden

► Starting point: Introduction to the science, principles and structures that form the framework
  – The International Framework for Radiological Protection

► The RP System: Past, Present and Future
  o From Past to Present:
    – overview of what changed from Publication 26 to Publication 103;
    – practice/intervention in exposure situations: the structure of the system
  o The ICRP Radiological Protection Principles, and their Practical Application, including Nuances and Issues:
    – justification;
    – optimisation;
    – dose constraints and reference levels;
    – application of dose limits;
    – numerical criteria;
    – stakeholder involvement and prevailing circumstances;
    – individual risk;
    – the RP toolbox

► Specific Exposure Circumstances and Standards
  o Risk and Post-Accident Circumstances:
    – modelling risks and detriment;
    – emergency and recovery management;
    – radiological protection of the environment
  o Medical Exposure Circumstances:
    – diagnostic and therapeutic RP
  o Principles and Standards:
    – why the differences in Standards (ICRP 103, I-BSS, EC BSS Directive, NCRP)

► Evolving Issues
  – underpinning ethics and philosophy;
  – NORM;
  – stakeholder engagement – skills needed

► State-of-the-art Radiological Protection Science
  – radiation biology;
  – epidemiology;
  – social science

* Each session will include real case studies and participative discussions